

# Areebah Nadeem

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**Portfolio:** <https://areebah-nadeem-assignment1-comp229-new.onrender.com>

## PROFILE

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Dedicated and enthusiastic Software Engineering student with a strong passion for problem-solving and continuous learning, skilled in Android app development using Kotlin and Java. Proficient in full-stack web development, including JavaScript frameworks (React, Node.js, Express.js), databases (SQL and NoSQL), and cloud platforms. Demonstrates excellent communication and teamwork skills, committed to contributing to impactful projects. Experienced in Agile methodologies (Scrum) and focused on developing user-centric applications with an emphasis on security and code quality.

## SKILLS

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- **Web and Mobile App Development:** Proficient in React, Node.js, Express.js, Bootstrap, C#, JavaScript, HTML, CSS, Java, Python, with experience in .NET/.NET Core, API Integration, MVVM, MVC, Kotlin, and Android App development.
- **Database Management:** Proficient in MySQL, SQL Server, Oracle, Postgres, and Firebase.
- **Agile Methodologies:** Knowledgeable in Scrum, Kanban Microsoft Project, JIRA, and Confluence
- **API Integration Management:** Proficient in creating and integrating RESTful APIs using React, Node.js, Express.js, and .NET/.NET Core. Experienced with API testing tool Postman.
- **Enterprise Architecture:** Knowledge of designing and implementing large-scale systems, Service Oriented Architectures (SOA), Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) applications.
- **Tools/Packages:** Experienced in MS Office Suite, Microsoft Visio, GitHub, VS-Code, IntelliJ, Android Studio, and Eclipse.
- **Soft Skills:** Desire to Learn, Teamwork, Communication, and Problem Solving

## EDUCATION

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### Software Engineering Technology (Co-op) Advanced Diploma

2022 - Present

Centennial College, Toronto, ON

- Currently maintaining a GPA of 4.2/4.5
- Relevant Courses: C# Programming | Java | Advanced Database | Data Structures and Algorithms | Software Systems Design | Web Application Development | Software Testing and QA | Android App Development

### B.Sc. Electrical Engineering, COMSATS

2012

## PROJECTS

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### FAAAMS Marketplace

- Implemented full stack e-commerce web application using HTML, CSS, React, Node.js, Express, MongoDB and Bootstrap
- Developed JWT authentication system and access control for secure user account management.
- Created REST API endpoints with full CRUD operations enabling interaction with MongoDB database.
- Conducted extensive API testing using Postman to ensure functionality, reliability, and security of all endpoints, helping to identify and resolve issues before production.
- Collaborated with agile development team using Jira boards to track issues, user stories and tasks.

### Bean Brew Application:

- Created a full-stack web application using Express, Node, EJS, and PostgreSQL.
- Implemented CRUD operations and RESTful APIs for comprehensive functionality.
- Ensured smooth user experience through seamless interaction and data management.

### Blog Web Application:

- Implemented full stack blog web application using React, and Firebase.
- Implemented functionalities enabling users to create, read, and Delete blog posts.
- Enabled user Authentication by integrating Google sign-In so users can easily login with their Google account.

### Weather App:

- Developed an Android weather application as a personal project using Kotlin within Android Studio.
- Implemented dynamic UI features to display real-time weather data, including temperature, humidity, wind speed, sunrise time, sunset time, date, minimum and maximum temperatures, and atmospheric pressure.
- Integrated and utilized the OpenWeatherMap API for fetching weather information based on user-entered city names.

### Hospital Registration System:

- Developed Android app for nurses, offering registration, login, patient record management, and test handling.
- Integrated Firebase Realtime Database and authentication for secure data storage and user access.

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## Student Data Collection Application:

- Developed a Python Tkinter-based GUI application tailored for ICET students, utilizing Flask for backend functionality.
- Features intuitive input fields, program selection dropdown, and course checkboxes for efficient user interaction.

## Temperature analysis over last decade

- Utilized Pandas and NumPy in Python to manipulate and analyze a comprehensive dataset of global temperatures spanning the last decade, ensuring precise data preparation and analysis.
- Created detailed visualizations using Matplotlib and Pandas to illustrate temperature trends over time, effectively displaying annual fluctuations and seasonal variations.
- Conducted all data analysis and visualization tasks within Visual Studio, enhancing project efficiency by integrating the Paho library for advanced data handling capabilities.

## PROFESSIONAL DEVELOPMENT

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- AWS Essential Training for Developers: (LinkedIn) In Progress
- Web Development Certification: (COMSATS) 2019

## EXPERIENCE

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### Web Development and Graphic Design Intern | CTS & Associates (Remote) June – Nov,2024

- Developed web scraping scripts to collect and extract data efficiently from over 5 unique sources, leading to a 30% increase in data acquisition speed.
- Implemented data verification processes to ensure accuracy and eliminate errors in incoming data streams.
- Conducted data analysis to identify trends, anomalies, and actionable insights for better decision-making.
- Built systems to ensure data is added to the database without duplication, enhancing data integrity.
- Created conditional logic to compare and validate data before integration, increasing the accuracy of data inputs by 20%.
- Automated data integration using Google API to fetch high-quality data and streamline operations.
- Enhanced data management processes through automation, improving productivity by 25% and cutting data handling time in half.

### Web Development and Integration Intern | Kanel Inc (Remote) August - Present

- Utilized HTML, CSS, JavaScript, and Shopify Liquid to enhance the Shopify store's frontend, improving user experience and increasing page loading speed by 20% through debugging and optimizing existing code.
- Coded and customized Shopify Liquid templates to create dynamic product pages, resulting in a 15% boost in customer engagement and streamlined content updates.
- Designed wireframes and visually appealing graphics for the corporate gifting page, ensuring brand consistency and contributing to a 10% increase in conversions.
- Developed and launched a corporate gifting page for the holiday season, implementing SEO strategies that improved product visibility by 25%.
- Tested and debugged front-end features, reducing website errors by 30% and improving overall site stability.
- Integrated third-party applications with Shopify, improving business operations and increasing productivity by 30% through optimized API connections.

### Web Developer | Cyntax Health Projects (Islamabad, Pakistan) 2020-2021

- Contributed to content generation, maintenance, and content upgrading for Cyntax Health Projects' website.
- Played a pivotal role in debugging and enhancing the user interface (UI) and user experience (UX) of the website and its associated components.
- Collaborate with cross-functional teams to design and develop responsive web applications, ensuring adherence to brand guidelines and implementing interactive user experiences.
- Optimize website performance through code refactoring, asset optimization, and caching techniques.
- Automate workflow processes utilizing Google Apps Suite and Microsoft Office Suite

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- Assist with descriptions, newsletter content, social media posts, and promotional materials by designing graphics, animations, and manipulating digital photographs.

**Software Developer Intern** | National Institute of Electronics (Islamabad, Pakistan) 2012-2012

- Contributed to the development and testing of automatic wheelchair software, ensuring timely delivery of customer-focused solutions.

**Customer Relationship Specialist** | STARTEK (T-Mobile) | (Kingston, Canada) 2018-2019

- Provided exceptional customer service and technical support to resolve customer queries and issues related to mobile devices and services.
- Performed thorough troubleshooting and problem-solving to diagnose and address complex technical problems.
- Analyzed customer pain points and identified opportunities for process improvements to enhance customer satisfaction.
- Collaborated with cross-functional teams to ensure timely resolution of escalated issues and implement preventive measures.
- Maintained up-to-date knowledge of products, services, and industry trends to deliver accurate and relevant information to customers.
- Delivered technical support to end-users, enhancing organizational efficiency, and boosting productivity.
- Regularly engaged with clients through follow-ups to gauge satisfaction and identify opportunities for service improvement.