

MOHAMMAD AUSAF SHAH

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EDUCATION

SRM Institute of Science and Technology

September 2020 – May 2024

B.Tech in Computer Science and Engineering - CGPA 9.09/10

Kattankulathur, Tamil Nadu, India

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management Systems, Computer Networks

Burn Hall School

2019 – 2020

Class XII - 92.2%

Srinagar, J&K, India

Burn Hall School

2017 – 2018

Class X - 92%

Srinagar, J&K, India

EXPERIENCE

Engineer I Software Development

July 2024 – Current

Verizon | *Spring Boot, Spring Reactive, Java, React.js, Node.js, Express.js, React Native* |

Chennai, India

- Developed a CSRF filter in the Spring Boot production backend, reducing CORS issues to 0%.
- Improved business logic across multiple endpoints in the production backend.
- Built a high-performance React Native mobile app POC for the My Verizon App, reducing page load time by 1.11s compared to production.
- Investigated UI requests to backend endpoints in Kibana spanning 47 services and implemented backend framework changes that resolved missing values in 841 endpoints.
- Built various full-stack features leveraging GitLab and Jira APIs in a MERN-based tool called Platform Edge, boosting the Platform Team's efficiency by 15%.
- Wrote unit tests with JUnit and Mockito, increasing code coverage to 95%.

Student Intern

February 2024 – July 2024

Verizon | *React.js, Node.js, Express.js* |

Chennai, India

- Developed Node.js-based automation to send Slack/email alerts every 30 minutes to code approvers for pending merge requests, along with daily review reports to leadership, reducing merge request review time by 8%.
- Built dynamic UI tabs in React.js to display merge request data in the MERN-based tool, Platform Edge.

SKILLS

Languages

C, C++, SQL, Dart, JavaScript, Java, Python

Databases

MongoDB, PostgreSQL, MySQL, Firebase

Frameworks & Libraries

Spring, Spring Boot, Spring Reactive (WebFlux), React.js, Node.js, Express.js, React Native, Flutter, TensorFlow, Scikit-learn, NumPy, Pandas, OpenCV

Tools & Platforms

Git, GitHub, GitLab, Postman, Jira, ChatGPT, Copilot

PROJECTS

FinDash | *React.js, Node.js, Express.js, MongoDB, Mongoose* [\[UI Code\]](#) [\[BE Code\]](#)

- Built a full-stack finance dashboard featuring interactive charts, tables, and scatter plots to visualize revenue, expenses, profits, product prices, and transaction data.
- Developed a predictions page powered by a linear regression ML model to forecast annual revenue, supporting strategic planning.

MyChat Mobile App | *Flutter, Dart, Firebase, Firestore database* [\[Code\]](#)

- Developed a full-stack chat application with login/signup, photo upload, and real-time messaging functionality.
- Integrated user authentication and push notification support to enhance security and user engagement.

Shopping List Mobile App | *Flutter, Dart, Firebase, Firestore database* [\[Code\]](#)

- Developed a full-stack shopping list app allowing users to add grocery items with customizable categories and quantities.
- Implemented swipe-to-delete functionality for intuitive item removal and improved user experience.

Sales Forecasting Model | *Scikit-learn, NumPy, Pandas, Matplotlib*

- Built a sales forecasting model using a Voting Regressor ensemble of XGBoost, LGBM, and CatBoost, achieving higher accuracy than individual models.
- Research paper based on this project accepted at the Springer-indexed IDEA conference and is currently under publication process.