

# 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 that sends Slack/email alerts every 30 minutes to code approvers for pending merge requests, and 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.

### ChitChat 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 was accepted at the Springer-indexed IDEA conference and is currently under the publication process.