

# Ayushkumar Variyava

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## Technical Skills

**Languages:** Java, JavaScript, Python, C , C++, TypeScript

**Technologies:** HTML, CSS, JWT, React.js, AngularJS, Express.js, TensorFlow, JQuery, AJAX, Laravel, MongoDB, Flask, ASP.NET, Node.js, Bootstrap, XML, JSON, Android SDK, Firebase, SQL, Jquery, AWS EC2,AWS Amplify, Azure, Git, GitLab, Postman

**Concepts:** System Design, Operating System, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Waterfall Methodology, Cloud Computing

## Experience

### Alphatech Software Pvt. Ltd

Jun 2021 – Jul 2022

Software Developer

Vadodara, India

- Full Stack Developer proficient in React, TypeScript, Firebase, AWS, Express.js, and Node.js.
- Led team in implementing features with React, TypeScript, and Redux, boosting user engagement by 20%.
- Optimized MySQL queries, reducing page load times by 15% in React and TypeScript environment.
- Mentored junior developers in React.js and TypeScript, resulting in a 30% decrease in bugs.
- Developed and deployed Express.js APIs on AWS EC2 for seamless frontend-backend integration.
- Championed full-stack applications using AWS, Firebase, Express.js, and Node.js.

### Indian Institute of Hardware Technology

Aug 2019 – May 2021

Software Engineer

Navasari, India

- Crafted and implemented responsive user interfaces with React, achieving a 15% improvement in user satisfaction scores.
- Introduced automated testing using Jest and Enzyme, boosting test coverage by 30%.
- Contributed to the adoption of agile methodologies, utilizing Jira and Confluence, enhancing team productivity by 15% through an iterative React and Node.js development cycle. Employed Firebase for backend services.
- Developed new features and enhancements for web applications using React, Firebase, and SQL.
- Leveraged ES6 and employed technologies like Nodemon, npm, and Express routes to optimize query efficiency by 20% and reduce page loading time by 50%.

## Projects

### Academia WEB-APP for Job management—UTA | *React.js, Laravel, SQL, php*

- Led the full-stack development of an academia webApp for job management, utilizing React.js for the frontend and Laravel for the backend.
- Implemented a real-time chat feature using WebSocket and Socket.io, enhancing user engagement and reducing response time by 20%.
- Utilized PHP and SQL to manage and interact with the database, ensuring efficient data storage and retrieval.

### Personal Tutoring Service (PTS) – Software Project Management—UTA | *Cocomo, Microsoft project planner*

- Managed a team to design and implement a website and Android application for a Personal Tutoring Service (PTS).
- Successfully led the introduction of a refined code review process within the full-stack node.js and react.js framework, resulting in a 30% reduction in bugs and a substantial 20% increase in application performance.
- Applied COCOMO model and Waterfall methodology to ensure efficient project management and successful delivery.
- Utilized Microsoft Project Planner for effective project planning, tracking, and coordination.

### ReviewBooster WEB-APP for maintaining google reviews | *React.Js, TypeScript, Firebase, Node.js*

- Constructed a full-stack WEBAPP using React.js, TypeScript, Firebase, and Node.js. Elevated hotel reviews by 20% through the implementation of ReviewBooster, a ReactJS and NodeJS application integrated with Google Reviews.
- Automated SMS requests efficiently boosted customer engagement, resulting in a 20% increase in overall hotel reviews.
- Distinguished the project by exclusively using custom CSS, foregoing third-party stylesheets.

### Smart Wheelchair: Advanced Mobility Through Machine Learning and IoT | *Python, Android SDK, Raspberry pi 3*

- Built an intelligent wheelchair using IoT, Image Processing, and Machine Learning technologies.
- Conceptualized scikit-learn in Python to simulate possible outcomes under different scenarios.

## Education

### The University of Texas at Arlington

Masters of Science in Computer Science

Expected May 2024

Arlington, Texas

### Gujarat Technology University

Bachelor of Engineering in Computer Engineering

May 2021

Gujarat, India