

# AMEEN PASHA.A

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## CARRER OBJECTIVE

Full-stack Software Engineer with 2.5+ years of experience in developing scalable web, mobile, and IoT-based applications. Skilled in modern development frameworks including **React.js**, **Node.js**, **.NET**, **ASP.NET**, and **Angular**, with strong database expertise using **PostgreSQL**, **MySQL**, **MongoDB**, and **MSSQL**. Experienced in building and deploying production-grade systems with **Docker**, **VPS**, cloud platforms, and CI/CD pipelines. Worked on integrating **real-time AI models** and developing **digital twin systems** for simulation, monitoring, and predictive analytics. Strong background in RESTful API development, full-stack architecture, and end-to-end **production deployment** of secure, high-performance applications.

## TECHNICAL SKILLS

- **Programming:** Node.js, C#, Java/J2EE, PHP
- **Front-End Development:** React JS, Angular, JavaScript, jQuery, HTML5, CSS3, Bootstrap, MUI (Material-UI), Tailwind CSS, Chakra UI, Vue.js
- **Frontend Tooling:** Vite, Webpack, Babel
- **Back-End Development & Frameworks:** ASP.NET, Express.js, .NET Framework, REST APIs, Web Services, OAuth/JWT (Authentication & Authorization), Microservices Architecture
- **Database Management:** SQL, MSSQL, MYSQL, MongoDB, PostgreSQL, REDIS
- **Mobile Development:** React Native, Android (Java, Android Studio), Flutter
- **Data Formats & Exchange:** JSON, AJAX, XML
- **Deployment Tools:** Docker, GIT, Postman, CI/CD pipelines, Microsoft Azure, AWS, Cloud Computing
- **Servers & Hosting:** STRATO, Hostinger, WAMP, XAMPP, Apache HTTP Server
- **Specialized Technologies:** AI Model Integration, Digital Twin Systems, IoT Solutions, Networking
- **Familiar With:** Python, DevOps

## PROFESSIONAL EXPERIENCE

<b>Full Stack - Software Engineer</b> Aplus Education & Computer Services (AECS) Pvt Ltd	<b>February 2023- Current</b> Bangalore, India, 560036
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- Role & Responsibilities:**
- Full-stack software development for industrial IoT and automation solutions, including web, mobile, and embedded systems.
  - Collaborated with cross-functional teams to design, develop, and deploy scalable applications and infrastructure.
  - Managed server environments and network configurations to ensure high availability and data security.
  - Implemented RESTful APIs and integrated hardware with software platforms for real-time data collection and monitoring.
  - Led end-to-end development and deployment of multiple client projects with a focus on performance, reliability, and user experience.
  - Continuously researched and adopted emerging technologies to enhance system capabilities and maintain competitive advantage.

## **Key Projects:**

### **1. Vaculink System Technology (IoT Industrial Monitoring Platform)**

- Led the development and deployment of *Vaculink*, a full-scale IoT solution comprising both web and mobile applications for real-time industrial data monitoring.
- Developed and deployed the web application using React.js (frontend), Node.js (backend), and MSSQL, Postgres SQL for secure data management.
- Built and launched the mobile application using Java and Android Studio, successfully deployed on the Google Play Store to increase accessibility for clients.
- Designed and implemented IoT-based manhole monitoring using ChirpStack and Ewon Flexy 202 routers integrated with PLCs, enabling real-time alerts and data transmission.
- Managed and deployed server infrastructure with Docker and IIS, improving system uptime, scalability, and reliability.
- Developed and maintained RESTful APIs (Node.js, ASP.NET C#) for seamless data exchange, resulting in a 15% improvement in response time.

*Technologies:* React.js, Node.js, React Native, MSSQL, Postgres SQL, ASP.NET, Docker, ChirpStack, Ewon Flexy, IIS, Strato Server, Server bucket.

### **2. EdTech Platform with AI Integration**

- Developed an AI-powered EdTech platform with educator and learner panels for course creation, quizzes, interactive 3D labs, and live classes.
- Integrated AI for real-time face/voice recognition to automate attendance and participation during live sessions.
- Built an AI chatbot to answer learner questions and generate prompts, supporting subjects like math and chemistry.
- Tracked student progress with AI-driven analytics and managed data with PostgreSQL and Redis.
- Used React.js, MUI, Node.js, GPT models, and AI technologies for frontend, backend, and intelligent features.

### **3. IT Fluid System Bundy – IoT-Based Automation and Order Tracking**

- Developed an IoT automation system for order tracking and part arrangement to improve assembly line accuracy.
- Designed order intake via fax with parts organized on racks according to specifications.
- Integrated barcode scanners to validate parts, triggering alerts for errors or duplicates.
- Implemented green-light indicators and lock release mechanisms to control trolley movement based on correct part placement.
- Worked with hardware including Raspberry Pi Pico, ESP32 microcontrollers, channel relays, barcode scanners, and printers.
- Resulted in increased order accuracy, improved assembly efficiency, and reduced manual errors

### **4. GE Healthcare – Real-Time Conversion Data Visualization**

- Developed interactive frontend visualizations for live kWh data using HTML5, CSS3, Tailwind CSS, and SVG.
- Implemented JSON parsing and real-time updates for hourly and daily energy consumption graphs.
- Improved data transparency and user experience, enabling informed energy monitoring and decision-making.

## INTERNSHIP EXPERIENCE

### WEBBLITZ SOFTWARES

Bangalore, India, 560021

- Successfully completed an academic internship, contributing to a real-time project focused on enhancing data security through encryption and decryption policies.
- Developed and implemented a cloud-based Java application designed to secure user data, leveraging Java/J2EE, NetBeans, and Apache Tomcat.
- Gained hands-on experience with MySQL for backend database management and integration within the project.

### Web Application Development - Intern INFIDATA TECHNOLOGIES

01/2020 – 03/2020  
Bangalore, India, 560021

- Designed and developed a web application to efficiently manage and track records of incoming and outgoing vehicles in a parking facility.
- Implemented features for tracking vehicle locations and times, and generated detailed reports based on this data.
- Worked extensively with JavaScript, PHP, HTML, CSS, Bootstrap, Apache, and MySQL, deploying the application on a XAMPP server.

## ACADEMIC BACKGROUND

- **Master of Computer Applications (MCA)**

Sir M Visvesvaraya Institute of Technology, VTU — Bangalore 560064, Karnataka, India  
2020 – 2022  
CGPA: 8.4

- **Bachelor of Computer Applications (BCA)**

Nagarjuna Degree College, Bangalore University — Bangalore 562157, Karnataka, India  
2017 – 2020  
CGPA: 8.2

## PERSONAL PROJECTS

### 1. Real-Time Chat App with Notifications

A real-time messaging platform with user authentication and push notifications.

*Technologies Used:* React.js, Node.js, Socket.io, Firebase

### 2. Task Manager System

A full-stack application to manage tasks with CRUD operations, task status tracking (pending, completed, failed), and secure user authentication.

*Technologies Used:* React.js, Node.js, PostgreSQL, JWT

### 3. E-Commerce Product Dashboard

Admin dashboard to manage products, orders, and users with role-based authentication.

*Technologies Used:* React.js, Node.js, Express.js, MongoDB

### 4. Expense Tracker Mobile App

A mobile application for users to record, categorize, and visualize daily expenses.

*Technologies Used:* React Native, Node.js, Express.js, MySQL, Expo

## CERTIFICATIONS

- Completed Web Application Development Training with Score 90%, in INFIDATA Technologies.
- Introduction to Internet of Things, with a Consolidated score of 90% in NPTEL Swayam.
- Completed Training on Java, Advance Java, SQL and Web Technologies from JSPIDERS Bangalore.
- AWS S3.
- Received a Certificate in Prompt Engineering AI.

## PROFESSIONAL STRENGTHS

- Full-stack development across web and mobile platforms
- API design and third-party system integration
- Strong analytical and problem-solving capabilities
- End-to-end project lifecycle management
- Cloud infrastructure and DevOps process familiarity
- Team collaboration and cross-functional communication
- Code quality, testing, and documentation focus
- Fast adaptability and continuous learning mindset

## SOFT SKILLS

- Teamwork and Collaboration
- Effective verbal and written communication
- Strong teamwork and interpersonal skills
- Time management and ability to meet deadlines
- Critical thinking and creative problem solving
- Self-motivated with a proactive work ethic
- Ability to work independently and in collaborative settings

## LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Kannada (Fluent)
- Telugu (Conversational)
- Urdu (Native)