Abdul Wasih

Full Stack Engineer

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SUMMARY

Full Stack Engineer with production experience building scalable web applications using React, Node.js, TypeScript, and Python. Skilled in payment integrations, real-time systems with WebSockets, and ML-powered browser extensions.

EDUCATION

Anjuman Institute of Technology and Management   Bhatkal, Karnataka
Bachelor of Engineering in Computer Science   *Sep 2023 – May 2027*

EXPERIENCE

Software Engineer Intern   Dec 2025 – Present
Saarthi   *Remote*
- Architected a secure end-to-end payment processing engine integrating Dodo Payments with webhook-driven event handling and idempotent REST API logic, ensuring 100% transaction consistency across distributed systems.
- Engineered a UX-optimized multi-step checkout interface using React with real-time field validation and proactive error handling, reducing cart abandonment by 22%.
- Optimized backend throughput by implementing Redis caching and PostgreSQL database indexing for high-traffic API endpoints, achieving a 40% reduction in API latency during peak user loads.

PROJECTS

SlotSwapper | React.js, Node.js, PostgreSQL, Socket.IO, Tailwind CSS
- Built a full-stack service marketplace web application enabling users to discover providers, submit service requests, and track status through a real-time analytics dashboard powered by WebSockets.
- Implemented a TypeScript React frontend with reusable skeleton loading components and responsive Tailwind CSS layouts, delivering fast, mobile-first user experiences across devices.
- Designed a scheduling workflow with conflict detection and validation for HR meeting slot management, enabling reassignment of 50+ weekly meetings without double-booking, reducing manual rescheduling by 30%.

Fake Review Detector | React.js, PyTorch, FastAPI, DistilBERT
- Developed a Chrome Extension using React, TypeScript, and Manifest v3 with client-side ML inference via TensorFlow.js and ONNX Runtime, detecting fake reviews on e-commerce platforms with 85–90% accuracy.
- Fine-tuned a DistilBERT transformer model using PyTorch and Hugging Face Transformers on a custom fake review dataset, achieving 92–95% classification accuracy.
- Architected a privacy-first AI solution processing user data locally in the browser; built a FastAPI + Python backend with fine-tuned ensemble models for enhanced server-side accuracy.
- Engineered an NLP pipeline for multilingual text classification across 4+ languages with sentiment consistency analysis and linguistic pattern extraction; established CI/CD with Vitest and ESLint.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML, CSS, SQL
Frontend: React.js, Next.js, Tailwind CSS, Vite, Responsive Design, State Management
Backend: Node.js, Express.js, FastAPI, Flask, REST APIs, WebSockets, Socket.IO
Databases: PostgreSQL, MongoDB, Prisma ORM, Redis, Database Indexing
DevOps & Tools: Git, Docker, CI/CD, ESLint, Prettier, Vitest, VS Code
Auth & Security: JWT Authentication, Session Management, OAuth, Webhook Integration

ACHIEVEMENTS

Sustainathon Hackathon | *Top 15 Finish*
- Led team to build Greenheart-AI, a real-time AI health tracking application, in under 24 hours during the Sustainathon competition.

Competitive Programming | *LeetCode, HackerRank*
- Solved 100+ data structure and algorithm problems focusing on clean, efficient, and scalable solutions under performance constraints.