

TARAL SHAH

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GitHub: github.com/taralshah09 | LeetCode: leetcode.com/u/taralshah99 | Codeforces: codeforces.com/taralshah992005

Education

Lalbhai Dalpatbhai College of Engineering

Bachelor of Engineering in Computer Engineering (Honors in AI & ML) | CPI: 9.04/10.0

Jul 2023 – Jul 2027

Ahmedabad, Gujarat, India

P.B.D. Joshi Higher Secondary School

Higher Secondary Certificate (HSC) | Percentage: 88.2%

Mar 2021 – Mar 2023

Ahmedabad, Gujarat, India

Skills

Programming Languages: Java, C/C++, Python, JavaScript, TypeScript

Computer Science Fundamentals: Data Structures & Algorithms, Object-Oriented Programming, Software Design Patterns, Database Management, Operating Systems, Computer Networks

Software Development: Spring Boot, Node.js, Express.js, React.js, Django, RESTful APIs, Microservices Architecture

Cloud & DevOps: Microsoft Azure, AWS, Docker, Kubernetes, CI/CD Pipelines (GitHub Actions), Git Version Control

Databases & Tools: MongoDB, MySQL, PostgreSQL, Redis, Visual Studio Code, IntelliJ IDEA, Docker Desktop

Testing & Quality Assurance: Unit Testing, Integration Testing, Test-Driven Development, Code Review Practices

Experience

Software Development Intern — First Draft

Jun 2025 – Aug 2025

- Developed core features for an LLM-powered journalism platform using Next.js, Django and PostgreSQL, implementing RESTful APIs that can handle **10K+** daily requests with **less than 200ms** response time and optimized database queries reducing execution time by **40%**.
- Engineered responsive UI components with lazy loading and code splitting in Next.js, improving page load times by **40%**, while building AI-powered content analysis features that processed **500+ articles** daily with **92%** accuracy.

Software Development Intern — MatchMyCV

Aug 2024 – Dec 2024

- Engineered a production-grade, **scalable distributed microservice** for AI-based resume refinement using the **OpenAI API**; integrated with **Amazon S3** and **Docker** to support **500+** users with **99.9% system reliability**.
- Redesigned legacy HTML pages into a responsive **React + Redux** frontend with lazy loading, reducing load times by **1.5s**; integrated Django REST APIs with database indexing to handle high-volume requests and improve throughput.

Projects

TrackHire | [Live](#) | [GitHub](#) | Node.js, Spring Boot, React, JWT, PostgreSQL

- Built a full-stack job aggregation platform using **Node.js (cron-based scraper)**, **Spring Boot (REST backend)**, and **React** that collects recent openings from company career pages and niche platforms—many not listed on mainstream job boards.
- Designed a **custom data pipeline** for large-scale job ingestion including scraping, refinement, deduplication, and persistence, maintaining **10K+ active listings** across big tech firms and startups with daily automated updates.
- Implemented **JWT-based authentication** and job tracking features allowing users to categorize, save, and monitor applications; building a **personalized email notification system** to deliver new opportunities based on preferences.

WebOS | [Live](#) | [GitHub](#) | MongoDB, Express, React, Node, CSS, Tailwind

- Developed an OS-like browser desktop simulation with **5+** resizable windows, **5** draggable apps, a persistent text editor, and a terminal supporting **10+** Linux commands, executed over **1.2K+** times during testing.
- Architected a **highly scalable backend** as a **modular monolith** with microservice-like boundaries, enabling seamless future migration to distributed services. Optimized MongoDB indexing to cut file retrieval latency by **40%**.
- Optimized real-time concurrency for **25+** active users with **99.9%** uptime, persistent session state storage, and improved user retention through a smooth multi-window experience.

Achievements

- Led a 6-member team to the **Top 5** out of **267+** nationwide teams in **Smart India Hackathon 2024**, solving a ministry-proposed problem [Certificate]
- Achieved:** Knight on LeetCode (**2083** max), Specialist on Codeforces (**1479** max), and **3-stars** on CodeChef.
- Selected to **Round 2 of Meta Hacker Cup 2025**, ranked **2650th** among **12k+** participants. Certificate Link
- Selected as Contributor in **GSSoC 2025**, made **5+** accepted contributions to **BREVITY**, an open-source news app.

Certifications

- SAP Certified Generative AI Developer [Link]

- Backend Development and APIs [Link], JavaScript Algorithms and DSA [Link]