

OM AVHAD

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EDUCATION

Thadomal Shahani Engineering College

Bachelor of Engineering - Computer Engineering — 8.87 CGPI

Nov 2022 – May 2025

Mumbai, India

Government Polytechnic Mumbai

Diploma in Computer Engineering — 93.75 %

Sep 2019 – May 2022

Mumbai, India

TECHNICAL SKILLS

Languages & frameworks: Django, Flask, Python, Java, C, JavaScript, NodeJS, ReactJS, NextJS, HTML, Tailwind CSS

Technologies & tools: AWS, Docker, Figma, PostgreSQL, SQLite, MongoDB, MySQL, Postman, GitHub, Kafka

EXPERIENCE

Deutsche Bank – TDI Intern

Jun 2024 – Jul 2024

Java 8, H2, BigQuery, ANTLR

Pune, India

- Engineered a Java library using an in-memory H2 database, enabling BigQuery execution within the JVM.
- Designed a Loader Engine for CSV, JSON, SQL, Spark DF, and a Query Engine with ANTLR for query parsing.
- Improved test execution speed by removing network latency, reducing testing time by **70%**, and **zero** GCP fees.

FischerJordan – Backend Developer Intern

Oct 2023 – Mar 2024

Django, PostgreSQL, Celery, Gmail API, Docker, AWS, Postman

Remote (US)

- Engineered social media functionalities (posts, comments, likes, replies) in a Django REST app. Utilized sockets for real-time notifications and AWS SNS for **push notifications** (Android/iOS).
- Integrated Gmail Inbox for automatic transaction capturing, configured **rate limiting** and background processing.
- Integrated OCR/text/PDF parsing for purchase creation, leveraging OpenAI APIs, streamlining the purchase creation.
- Created a specialized **micro-service** for email classification, seamlessly integrating an email classifier.

Metaverse Ventures – Full Stack Developer Intern

May 2023 – Jul 2023

Django, PostgreSQL, Twitter API, NextJS, Tailwind CSS

Remote (Hyderabad, India)

- Integrated Twitter v2 APIs and utilized Orbitly to build a tool for analyzing Twitter accounts and lists, extracting valuable email addresses from competitors' followers to enhance marketing outreach and unlock growth opportunities
- Implemented JWT for secure authentication and scheduled CRON jobs on AWS EC2 to fetch fresh followers.

XIRCLS – Jr. Backend Developer Intern

Aug 2021 – Jun 2022

Django, MySQL, PHP, HTML, JavaScript

Mumbai, India

- Developed Web Analytics tool that helped the marketing team identify and prioritize areas for improvement
- Improved API performance, cutting response time to **800ms** through background processing and refactoring code.
- Automated personalized reminder emails for **10,000+** clients, boosting engagement by **30%**.
- Created a custom WordPress **plugin** to integrate services onto the vendor's website seamlessly.

PROJECTS

LogStream | Flask, React JS, Postgres, Elasticsearch, Kafka



- Created a log management system with real-time ingestion, advanced filtering, and a user-friendly interface.
- Implemented dual storage for logs, enhancing search efficiency and analytical capabilities.

Smriti | Flask, React JS, Node JS, MongoDB, WebSockets



- Implemented WebSockets for low-latency data transmission of real-time alerts to caretaker.
- Designed a virtual nurse using LLM and deepfake technology to help patients have personalized chat.

LEADERSHIP

TSEC CodeCell | Senior Committee Member

Mar 2023 - Mar 2024

- Organized an annual 24-hour Hackathon - TSEC HACKS 2024, along with 30+ members.
- Developed application for hackathon participants to manage food coupons, certificates, and problem statements.

ACHIEVEMENTS

National Runner Up - Flipkart GRiD 6.0 Information Security | Flipkart

Sep 2024

2nd Runner up - CSI SPIT Hackathon | Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology

Feb 2024

Top 3 Finalists - MumbaiHacks | Tech Entrepreneurs Association of Mumbai

Nov 2023

2nd Runner up - Hackmaze Hackathon | Guru Gobind Singh Indraprastha University, Delhi

Oct 2023

Winner - Technovate Hackathon | Rotract Club, Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology

Feb 2023