

# Aniruddh Singh

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## EXPERIENCE

### Software Developer

July 2024 – March 2025

*nVent Thermal India Pvt. Ltd.*

- **Built a Spring Boot backend simulation tool** with **PostgreSQL**, reducing scenario creation time by **70%**.
- **Developed and deployed 5+ features** in the Raychem Supervisor **Angular webapp**, enhancing UI and integrating with **MongoDB** backend.
- Implemented reactive data sync using **RxJS**, **Observables**, and **WebSockets**, improving responsiveness by 30%.
- Integrated **Spring Boot APIs** with **Angular components** for end-to-end user workflows.
- Maintained **95% unit test coverage** using **Cypress** and **Jest**, reducing defects by **19%**.

### AI/ML Software Engineer Intern

Nov. 2022 – Dec. 2023

*Gmac Intelligence*

- Developed secure **REST APIs** using **Spring Boot**, **JPA**, **Hibernate** for data exchange in mobile workflows.
- **Integrated Clover Payment SDK** in Angular dashboard, **boosting transactions by 10%**.
- Added **TensorFlow Lite speech-to-text** in Native Android, enabling **85% voice interaction** in key flows.
- Optimized NLP using **MiniLMv6** with **Kotlin Coroutines** for fast on-device inference.

### Android App Developer Intern

March 2022 – June 2022

*Binary Dots Pvt Ltd*

- Contributed to **Fretbox**, a **Native Android (Java)** hostel management app with **10,000+ downloads on Play Store**.
- Performed testing and debugging, fixing **20+ production issues**.
- Shipped **2 major updates**, improving UI stability and app performance.

## PROJECTS

### VidyuRakshak | *Flutter, Google Earth Engine (GEE), QGIS, Firebase, Python*

Nov. 2023 – Dec. 2023

- Built a **cross-platform Flutter app** for monitoring vegetation height near power corridors using Google Earth Engine (GEE) **satellite data**.
- **Reduced manual field inspection time by 60%** by automating vegetation risk detection and alerts.
- **Winner of Smart India Hackathon 2023**, selected **among 30K+ teams** nationwide for **Ministry of Power**.
- [Github](#)

### Airhub | *Native Android, Microsoft Azure, Java, Restful API*

Jan. 2022 – Feb. 2022

- Developed a **Native Android app** for improving passengers' experience at **Kempegowda International Airport** including pre-travel, at airport, and post-travel experience.
- Built an **AI-powered chatbot** and integrated live transport feeds using **Microsoft Azure APIs**, improving **query resolution time by 40%**.
- **Finalist** in the **Microsoft Bial Genie Hackathon**, ranked **top 8 out of 11,000+ participants** nationwide.
- [Certificate](#) | [Github](#) | [Demo](#)

## EDUCATION

### Thadomal Shahani Engineering College - University Of Mumbai

Mumbai, India

*Bachelor's degree in Computer Engineering CGPA - 9.35/10.00*

**2020 – 2024**

## TECHNICAL SKILLS

**Languages:** Java, TypeScript, JavaScript, Kotlin, SQL, HTML, CSS, XML.

**Frameworks:** Angular, Spring Boot, Native Android Development, JPA, Hibernate, Flutter, Jest, Cypress

**Practices:** Agile / Scrum, TDD, BDD, Git, MVVM, Clean Architecture

**Tools:** Git, AWS, Microsoft Azure, Docker, Postman, Retrofit, Dagger/Hilt

**Databases:** PostgreSQL, MongoDB, Firebase