





# Koushik Kolla

 [github.com/KoushikKolla](https://github.com/KoushikKolla)  [linkedin.com/in/koushikkolla](https://linkedin.com/in/koushikkolla)  [koushikkolla51@gmail.com](mailto:koushikkolla51@gmail.com)  7483377571

## EDUCATION

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**Visvesvaraya Technological University**

*B.E. Information Science*

**Global Academy of Technology**

*GPA: 8.25/10*

Dec 2022 - Jul 2026

## SKILLS

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**Languages:** C/C++, Python, Java, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Express.js

**Tools:** GitHub, VS Code, PyCharm, MySQL, Postman, Jupyter Notebook, Android Studio

**IoT & Embedded:** ESP32, Sensors, Microcontrollers (Basics)

**Cloud:** Google Cloud Vertex AI, AWS Basics

**Data Analytics:** Tableau, Pandas, NumPy, Matplotlib, Seaborn

**Core CS:** OOPs, Data Structures, Algorithms, OS, DBMS, CN

**Soft Skills:** Communication, Presentation, Teamwork, Adaptability

**Interests:** IoT, Automation, Cloud, ML, Full-Stack Development

## RELEVANT COURSEWORK

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IoT Systems, Cloud Computing, Data Analytics, Software Engineering, Operating Systems, DBMS, Computer Networks.

## PROJECTS

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**Gesture-Based E-Voting System using Machine Learning & Facial Authentication** | *Python, OpenCV, MediaPipe, SQL*,

- Developed a secure E-Voting system integrating ML-based facial recognition and gesture interaction for contactless voting.
- Implemented hand-tracking with MediaPipe, enabling automation-style user navigation.
- Built multi-role portals (User/Admin/Candidate) with verification, approval flows, and vote management.
- Aligned system design with IoT-style human-machine interaction concepts.

**Automated Library Resource Management System** | *Java, JDBC, SQL*

- Built a desktop-based system to manage books, members, and issue/return workflows with secure DB operations.
- Implemented role-based admin authentication, modular menu UI, validation, and exception handling.
- Optimized queries using SQL joins and indexing for fast data retrieval.

**Smart Expense Tracker with Analytics Dashboard** | *React, Node, Express, MongoDB, Chart.js*

- Developed a MERN application supporting authentication, analytics, and profile management.
- Used MongoDB aggregation pipelines for expense insights and dynamic chart generation.
- Added responsive UI, dark mode, and PDF export for professional reporting.

## CERTIFICATIONS

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Tableau Desktop Specialist — Infosys Springboard (Jan 2025)

React Basics — Coursera (May 2025)

Cloud-Native Applications in Java — Infosys Springboard (Jan 2025)

Prompt Design in Vertex AI — Google (Jul 2025)

Basics of Python — Infosys Springboard (Jan 2024)

## SUMMARY

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Strong coding background with hands-on experience in ML-based automation, full-stack development, SQL systems, and cloud technologies. Built industry-like projects involving gesture recognition, analytics dashboards, and secure database workflows. Excellent communication and presentation skills with ability to explain technical concepts clearly. Fully willing to work from office in Hyderabad, Bangalore.