Koushik Kolla

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EDUCATION

Visvesvaraya Technological University

B.E. Information Science   *GPA: 8.32/10*
Global Academy of Technology   Dec 2022 - Jul 2026

SKILLS

Languages: Core Java, C ,Python , JavaScript, HTML/CSS
Frameworks: React, Node.js, Express.js
Tools: GitHub, VS Code, PyCharm, MySQL, Postman, Jupyter Notebook, Android Studio
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: Full-Stack Development, ML, Cloud.

INTERNSHIP

Tap Academy   Jan 2026 – Ongoing
Software Development Intern   *Bengaluru/ Onsite*

- Gained hands-on experience in Java program execution, bytecode generation, JVM architecture, and runtime memory structure (Stack, Heap, Static segments).
- Applied OOP principles to create and manage objects, implemented array-based data modeling (primitive & object arrays), and demonstrated deep understanding of reference handling.
- Practiced structured problem-solving using loops, nested loops, pattern programming, and multi-dimensional arrays, improving logical thinking and interview readiness.

PROJECTS

Gesture-Based E-Voting System using Machine Learning & Facial Authentication | *Python, OpenCV, MediaPipe, SQL,*
- Developed a secure, contactless E-Voting system using ML-based facial authentication and gesture-controlled voting.
- Implemented real-time hand-tracking with MediaPipe and built multi-role portals (User/Admin/Candidate) with verification, approvals, and vote management.
- Applied IoT-style human–machine interaction concepts to ensure automation, security, and ease of use.

Personalized News Digest Service | *React, Node.js, Express, MongoDB, Tailwind CSS*
- Developed a MERN application for personalized news aggregation and automated email delivery based on user preferences.
- Implemented scheduled background jobs using Node-cron for fetching real-time news via NewsAPI and sending digests via Nodemailer.
- Designed a responsive, modern dashboard using React and Tailwind CSS for seamless topic management and subscription control.

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.

SUMMARY

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.