Samay Pandey

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Summary

Engineering student at *K.C. College of Engineering*, driven by a passion for **continuous learning** and **personal growth**. A **fast-learning software developer** with a strong focus on **efficiency, problem-solving,** and **AI-driven solutions**.

Proficient in Python, Java, C++, SQL, and **NoSQL**, with hands-on experience in **cloud platforms** like *Google Cloud* and *Azure*. Specialized in **AI/ML, web scraping,** and **model development**, with a keen eye for **data optimization** and **scalability**.

During an **internship at Bigshorts.co**, made significant contributions to **AI research**, including **recommendation systems, video similarity models,** and **large-scale data optimization**.

Always eager to **explore new challenges** and push boundaries in **software development** and **machine learning**.

Letter of recommendation available upon request.

Education

K.C.College of Engineering | Thane,Maharashtra
Computer Engineering | 05/2026
I have developed multiple projects across various domains. I explored the diverse subjects provided by Mumbai University and excelled in them. Currently, my average CGPA stands at 8.5 through semester 5.

Royal International Junior College
03/2022
Passed the board exam with a score of 75%.

Guardian School | Dombivli,Mumbai
03/2020
Passed the board exam with a score of 91%.

Certificates

Backend Support Executive at RKDEMY, Android Developer Virtual Internship at AICTE , Internship Completion Certificate from BigShorts

Skills

Python, Java, Artificial Intelligence, Machine Learning, Cloud Computing, C/C++, Mobile Development, Git, GitHub

Projects

- **Data Dash (File-Sharing App)**: Designed a **cross-platform** file-sharing application similar to **ShareIt**, ensuring **efficient data transfer** across multiple operating systems.
- **HR Management System with Firebase**: Developed a **real-time HR management system** with **Firebase integration**, featuring **user authentication** and **data security** for seamless access.
- **Hand Cricket Mobile Game**: Led a team to develop an **interactive multiplayer** Hand Cricket game in **Android Studio**, optimizing it for **various device resolutions**.

Experience

BigShorts | Andheri,Mumbai
Software Developer Intern | 12/2024 – 03/2025
Internship: AI & Machine Learning DeveloperCompany:

- Developed a **web scraping tool** for **model training data**.
- Tested and integrated **multi-tiered ML models** for **video recommendations**.

- Managed **Google Cloud & Azure VMs**, optimizing **CPU-based training**.
- Enhanced the **Ultralytics Python library** for better performance.
- Built a **training pipeline** for recommendation systems on **Instagram, Snapchat, and Hotstar**.

Key Achievements:

- Created a **recommendation system** integrating **user engagement data** from multiple platforms.
- Automated and optimized **training processes**, accelerating **model deployment**.

This experience strengthened my expertise in **AI/ML, cloud computing, and software optimization**.

RKDEMY | Thane,Mumbai
Backend Support Executive | 06/2024 - 06/2024
I worked extensively on the AWS database platform and took the initiative to systematically organize a wide array of videos within its comprehensive database structure. In doing so, I ensured that each video was categorized appropriately for easier access and retrieval.