

AKSHAT GANDHI

Jalaram Krupa, Lokmanya Nagar, Kacheri Road, Palghar 401404 | akshat.ag@somaiya.edu | +91 8149644158

EDUCATION

K. J. Somaiya College of Engineering, Mumbai | *Bachelor of Technology in Computer Engineering* **Expected: 07/22**
Relevant Coursework: Data Structures | Object Oriented Programming | Integral Transform and Vector Calculus | Discrete Mathematics | Analysis of Algorithms | Software Engineering | Computer Networks | Operating System | AI
• **Grade :** 8.44/10

Pace Junior Science College, Mumbai | *Higher Secondary Certificate* **06/16 – 04/18**
• **Grade :** 85%

INTERNSHIP

Tech Mahindra | *Software Development Engineer* **06/21 – Present**
• Developed a Java code for migrating millions of lines of data from Snowflake to local database
• Designed a dashboard with graph visualization using the huge data from MySQL, which is now integrated with the Sprinter dashboard and used by the company.

K. J. Somaiya College of Engineering | *Research Intern* **03/21 – 04/21**
• Wrote modular Python code to automate drone flight for given set of parameters. Created a simulated environment using DroneKit SITL for testing the code
• Conducted endurance analysis by designing different test cases to ensure that the code can be tested in real world
• Assembled and calibrated the drone and its controller using Mission Planner

Three Millennials | *Online Course Developer* **01/20 – 02/20**
• Designed and developed a course for building mobile games using Android Studio. Developed 2 mobile games as a part of the course using LibGDX framework. The course was bought by 130+ students on Udemy

KEY ACADEMIC PROJECTS

Collaborative Peer to Peer Text Editor (In Progress)
• Developing a collaborative editor using P2P networking system to overcome the cons of classic server-client system
• Designed and created the user interface using React JS. Establishing a peer to peer network using WEBRTC
• Building algorithms to allow peers to simultaneously add, delete and edit on the distributed editor without the intervention of a client-server system and incorporating Text-summarizer and a feature to convert word file to pdf

End-to-End Encrypted Chat App (Research paper)
• Devised an end-to-end encrypted chat application using Flutter, Node JS and Mongo DB to develop a unique authentication method and explore about the socket programming. Integrated a video calling feature using Agora
• Co-authored a research paper on the same which is to be presented at ICISC 2022: 6th International Conference on Inventive Systems and Control in January 2022

SpendMate
• Built a Window's application to track monthly budget and personal expenses using Tkinter library and Python
• Introduced built-in graphs and charts for detailed percentage split up of the user's revenue and expenses in different categories such as expenses, revenues and other customized categories created by the user

Viaje
• Designed and developed an android application using Android Studio and Firebase for planning travel itineraries
• Integrated Google maps API to suggest nearby places, restaurants and temples along with their ratings

SKILLS AND CERTIFICATIONS

- **Programming Languages:** Python | Java | C | JavaScript | C#
- **Tools and Frameworks:** Android Studio | Flutter | Unity
- **Web Technologies & DB:** Django | React JS | Node JS | MySQL | Snowflake | Firebase
- **Online Certifications:** Cloud Computing | Python | Snowflake

EXTRACURRICULAR ACTIVITIES

- Participated in an Artificial Intelligence with Machine Learning workshop at IIT Bombay in 2018, Synd hackathon organized by Syndicate Bank in 2019 and CSI hackathon at K. J. Somaiya College of Engineering in February 2020
- Won 2nd prize in inter-branch dance competition at K. J. Somaiya College of Engineering , February 2020
- Selected as a Member of Organization council at KJSCE sports and technical festivals. Managed the schedule of events and matches, bagged registrations from different colleges for the events such as Technical Sports festival from 2018- 2019