

Akash Shetgar

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EDUCATION

KJ Somaiya College of Engineering, Mumbai, India (**ongoing**)
Bachelor of Technology in **Computer Science** : **Aggregate GPA – 9.6**
Chandrabhan Sharma College, Mumbai, India (Class 12)
Sanghamitra School, Hyderabad, India (Class 10)

INTERESTS

Data Science | Machine Learning | Finance |
Competitive programming | Cybersecurity |
Web development

KEY SKILLS

• **Technical:** C, C++, Java, Python, MATLAB, R, MERN, ROS, SQL, Hadoop, Spark, Flask, TensorFlow, Data Warehouse/ETL, Agile & DevOps, Data Visualization, Linux OS, Microsoft Excel, RViz, Gazebo, Scikit-learn

Mathematics: Linear Algebra, Logic in CS, Advanced Calculus, Vectorization, Quantitative Analysis, Statistics

• Courses:

- Introduction to Programming with MATLAB - Vanderbilt University
- MTA: Introduction to Programming Using HTML and CSS - Certified 2021 - Microsoft
- Programming, Data Structures and algorithms using Python - NPTEL, Gold certificate
- Intro to Machine Learning - Kaggle
- PROFESSIONAL CERTIFICATE - IBM Cybersecurity Analyst - IBM
- Neural Networks and Deep Learning - DeepLearning.AI

• **Languages:** English proficiency, Hindi, Telugu, Konkani-native

PROJECTS

- **Article Reader** – Built a Windows application that reads out any article from the web or any local text file with GUI
- **DataForge** – Assembled a data processing pipeline building tool that uses Apache spark for distributed processing.
- **Chat app** – Designed a chat app built using Flask, SQL & sockets. User can create and join multiple chat rooms.
- **Face Mask detection** – Optimized a Deep learning model - MobileNetV2 to detects if a person is wearing a mask

Extra-Curricular and Clubs

- **Team ETA (Autonomous vehicle department):** A KJSCE College Mega project - making fuel-efficient prototype vehicles. Secured First in Asia, Regional Winners of Road To 2050 - Bonus Challenge
- **Leadership:** Vice captain for the yellow house in Sanghamitra school. Led and facilitated smooth functioning of the School Assembly and events, facilitating team work.
- **NGO: Nurturing Lives** – Volunteered to increase the engagement and footfall for Nurturing Lives Instagram page
- **Photography** - Shutterbugs club at KJSCE college

Internships

- **Autonomous Vehicle Design internship – iPrimeSkill** (July 2021 – August 2021)
Performed object, moving vehicle and road detection using OpenCV
- **e-Yantra Robotics Competition (eYRC 2021-22)- Agribot Theme** (October 2021 – March 2022)
Engineered an autonomous Ground Vehicle (AGV) to traverse in a simulated Greenhouse environment, find the targeted yield and correctly execute pick-&-place using ROS, RViz and Gazebo
- **Web Development – Figyor** (January 2022 – March 2022)
Built a robust content management system using PHP, HTML and CSS
- **Web Development - UpCloud Technology** (June 2022 – September 2022)
Set up user login, built the feedback section and performed backend integration using React JS