



Shruti Tyagi

Computer Engineering Junior

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<https://github.com/shrutityagi4102>

EDUCATIONAL BACKGROUND

K.J. Somaiya College of Engineering 2020-2024
BTech. in Computer Engineering,
Honors in Data Science and Analytics
Average CGPA : 9.61

Pace Junior Science College 2018-2020
HSC Board (PCM + Electrical Maintenance)
92.3%, 200/200 in Electrical Maintenance

Cathedral and John Connon School Till 2018
ICSE Board; Computer Applications in Java
95% - Overall

SKILLS & PROFICIENCIES

- Python, C, C++, Java, JavaScript
- SQL, CSS, HTML, BootStrap, jQuery, React, Node.js, Express.js, Canva, GitLab, Git and GitHub
- LaTeX, Microsoft PowerBi, Tableau, VsCode, Vim, Emacs, Wix, Figma, MacOS, Windows, and Linux
- Basics of UI/UX and Machine Learning
- Languages : English, Hindi and Marathi
- Event and Team Management, Marketing, Strategic Planning, and Public Speaking

ACHIEVEMENTS & CERTIFICATIONS

- Selected for Microsoft Engage Mentorship, WE Google Program and Amazon ML Summer School
- Stood in TOP 10 out of 150 teams at KJSCE Hack
- Stood 1st in Web App domain at Hackerstellar for making [SpaceVest - Sustainable Investing App](#)
- Stood 3rd in Business planning event - Plandemic
- Volunteered as Mentor and won 3rd Prize at 2023 School Challenge by JP Morgan and Agastya NGO for creating [Aqua Alarm - Saline Tracking System](#)
- Completed TensorFlow Developer Certificate and AWS Machine Learning Nanodegree
- Published research paper - "[Voice Based Authentication Using Mel-Frequency Cepstral Coefficients and Gaussian Mixture Model](#)" at 2022 IEEE Bombay Section Signature Conference

EXTRA-CURRICULAR ACTIVITIES

- Made a [WIX website](#) for Prerana Charitable trust
- Former Creative Team Member at CSI – KJSCE
- Former Event Head at SAHAS - Freshman council
- Former Member at Enactus SSC
- Former Social Media manager at TEDxSVV

WORK EXPERIENCE

Software Engineering Intern June '23 - July'23
J.P. Morgan Chase India
- Worked under CIB vertical using Typescript, React and Spring

Summer Research Intern June '22 - Aug '22
Indian Institute of Management Ahmedabad (IIM - A)
- Worked on the research project - "Technology in Retails" under Professor Pankaj Setia at Center for Digital Transformation
- Learned about Neural networks and helped in agent based modeling using Python to model as well as visualise results

Software Development Intern Oct '21 - March '22
Ernst & Young India
- Under the Assurance vertical, assisted in development of the Software Product Platform in Azure
- Worked under the Forensics service line and developed dashboards and reports using Power BI

Research Intern Aug'22 - Oct'22
K.J. Somaiya College of Engineering
- Researched and worked towards publishing a research paper titled - "Voice Based Authentication Using Mel-Frequency Cepstral Coefficients and Gaussian Mixture Model"

Web Development & Machine Learning Intern July '21 - Oct '21
K.J. Somaiya College of Engineering
- Interned under the Information Technology department to research and develop a URL and [Keywords based Web Scraper](#)

PROJECTS

Federated Recommendation System to predict next keywords
Link : <https://github.com/shrutityagi4102/FRS>
- Tech Stack: Python libraries like PyTorch, NLTK, rdkit and others

Probe - Chrome Extension to summarise research papers
Link : <https://github.com/shrutityagi4102/Probe>
- Tech Stack : HTML, CSS and JavaScript

Diagnose That - Multiple Disease prediction website
Link : <https://github.com/shrutityagi4102/Diagnose-That>
- Tech Stack : HTML, CSS, JavaScript and Python (ML and Flask)

SafeSocial - Chrome Extension to block offensive comments
Link : <https://github.com/shrutityagi4102/SafeSocial>
- Tech Stack : HTML, CSS, JavaScript, Python (ML), FastAPI

Other Projects : [Stegano-Master Package for video steganography](#), [ExpenSave - Expenses and Savings Tracker](#), [Savant - All in One Research Assistant](#), [A.Iris - Detect Eye based Diseases](#), [ColorMuse - Color Blindness Simulator](#), [Hospital Management System](#), [Data Visualisation on Global School Dropout rates](#)