YASH GATHANI

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EDUCATION

Master's in Computer Science	*08/2022 – 05/2023*
Virginia Tech	Blacksburg, Virginia	**GPA: 3.88/4.0**
Bachelor of Engineering in Computer Engineering	*08/2018 – 07/2021*
Savitribai Phule Pune University	Pune, India	**GPA: 9.13/10.0**
Diploma in Computer Engineering	*08/2015 – 06/2018*
Maharashtra State Board of Technical Education	Mumbai, India	**GPA: 87.06/100.0**

EXPERIENCE

Software Engineering Intern | Varis | Boca Raton, Florida   *05/2022 – 08/2022*
- Worked on the "marketplace item classification" component that would estimably boost the **product sales by 20%** and also help in **strong reporting and analytics** needed for insights into each category's performance.
- Built and deployed **10** Golang REST endpoints into production for use by **4** development teams.
- Utilized crowdsourcing mechanism to **facilitate a smooth user experience** by enabling external users to flag items and built a validation app in Python to reprocess items with new classification mappings.

Research Assistant | AISSMS IOIT | Pune, India   *09/2020 – 12/2020*
- Assisted Prof. Dr. Suresh Limkar (Head of AI Dept. at AISSMS IOIT, Pune) in his research related to Smart Parking.
- Published the research in JUSST-Journal of University of Shanghai for Science and Technology, Volume 22, Issue 12, Dec-2020 (Scopus and Google Scholar indexed).

PROGRAMMING SKILLS

- **Languages:** C, C++, Java, Golang, HTML, Python, JavaScript, Android.
- **Databases:** MySQL, MongoDB, PostgreSQL.
- **Others:** Flask, Streamlit, REST, Git, Jenkins, Firebase, Unit Testing, AWS, Agile, Linux.

PROJECTS

Crop Prediction and Selling Platform for Farmers   *08/2020 – 03/2021*
- Led a team of 4 members to build a large-scale multilingual web application using MERN (MongoDB, Express, ReactJS, NodeJS).
- Built the prediction model in Python using Random Forest with an **accuracy of 99.09%** and hosted it on Heroku.
- Used Flask framework for creating REST API to facilitate communication between frontend and ML model.

Canteen Automation System   *08/2019 – 10/2019*
- Led a team of 4 members to digitalize the food ordering process in our canteen with the intention of eliminating long queues and making the whole process much more systematic and organized.
- Developed an android application for users to order food and Java application for chef to process user orders.
- Tested the application and saw an increase of **25% in the daily order rate.**

IoT based Smart Parking System   *08/2017 – 03/2018*
- Built an android application for users to reserve and book a parking slot based on their availability in the MySQL database which was continuously updated by the status received from the ultrasonic sensors.
- Won **three state-level** project competitions with this project.

ACHIEVEMENTS & ACTIVITIES

- Ranked among the **top 10%** of students (out of 160) in Computer Engineering throughout my under graduation.
- First prize in **Big Data and Hadoop** competition organized by IIT Bombay in 2017.
- First Prize in **State-level Java code debugging** competition held at MIT Polytechnic, Pune in 2017.
- First Prize in **State-level Java coding** competition held at MIT Polytechnic, Pune in 2017.
- Finalist in **Smart India Hackathon** in 2017.
- Organized various technical and cultural events for 'Engineering Today' at AISSMS COE (*08/2018 – 01/2020*).