

AKSHAY GAWAI

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Education

National Institute of Technology Tiruchirappalli, Tamil Nadu <i>Master of Computer Applications</i>	Oct 2020 – Jun 2023 <i>CGPA: 8.0</i>
Govt. Vidarbha Institute of Science and Humanities, Amravati <i>Bachelors of Science (Computer Science and Mathematics)</i>	Aug 2016 – Jun 2019 <i>Percentage: 68.31</i>

Technical Skills

Languages : Python, C++, C, HTML/CSS, JavaScript, SQL
Databases : MySQL, MongoDB, SQLite
Frameworks : Django, NodeJS, Flask, NumPy, Sklearn, Pandas, OpenCV, TensorFlow, BootStrap
Operating Systems : Linux, Windows
Software & Tools : Visual Studio Code, GitHub, Bitbucket, JIRA

Experience

Amantya Technologies <i>Trainee Engineer - Intern</i>	Jun 2023 – Dec 2023 <i>Gurgaon, Haryana</i>
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5G Simulator | Python, Django, Linux, Docker

- Contributed to the evolution of a Python-Django based 5G simulator by supporting the enhancement of functionalities under the guidance of senior engineers.
- Developed Python scripts to optimize operational efficiency by enabling critical functionalities such as simulator reset and ngsetup between RAN and AMF, resulting in a 40% reduction in setup time and enhanced productivity.
- Actively participated in creating documentation for the 5G simulator, detailing installation steps, interface usage, API integration guidelines, and troubleshooting procedures.

ACP | TTCN, Testing

- Implemented TTCN-based test cases for data throughput, precisely ensuring full testing coverage and protocol adherence to attain a targeted speed of 30 Mbps.
- Collaborated closely with team members to review, refine, and optimize test cases, resulting in a 20% improvement in testing efficiency and effectiveness.

Projects

Home Price Predication | Python, NumPy, scikit-learn, pandas, matplotlib, seaborn

- Identified and addressed missing values, outliers, and performed feature engineering on housing dataset, ensuring high-quality data for accurate and meaningful modeling.
- Applied a variety of regression algorithms, such as Linear Regression, Decision Trees, Random Forest, and Gradient Boosting Regression, from the sklearn library to train predictive models.
- Achieved a predictive accuracy of 80% on the test dataset, demonstrating the effectiveness of the models in predicting house prices.
- Employed matplotlib and seaborn to create visualizations, aiding in data exploration, pattern identification, and model prediction evaluation.

Blind Coding | HTML, CSS, JS, PHP, MySQL, Bootstrap

- Successfully build and deployed an online platform tailored for induction events, facilitating assessments of participants' coding proficiency without visual aid. Over 300 students actively participated in this event, engaging in the challenge designed to evaluate their coding skills
- Implemented robust security measures to safeguard against unauthorized access and modification of code displayed during the event, ensuring integrity and confidentiality of challenge.

Area of Interest

- Data Structures and algorithms
- Object Oriented Programming
- Database Management Systems
- Operating Systems

Volunteer Experience

Coordinator, Public Relations Committee, Version'21	Jan 2021
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- Executed outreach efforts to promote the event, contacting 100+ institutions' MCA departments to extend invitations for participation.
- Provided extensive event support by addressing queries, resolving issues, and assisting over 300 attendees throughout the duration of the event.