

Kalpesh Sunil Patil

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Skills

Languages: C/C++, Java, Python, JavaScript

Technologies & Tools: AWS, ReactJS, Visual Studio Code, Visual Studio, Git

Work Experience

OctaNet Services Pvt Ltd

July 2024 - Sept 2024

Web Development Intern

- Developed and maintained responsive web applications with a focus on user-friendly interfaces
- Collaborated with cross-functional teams to deliver projects on time and within scope
- Visual Studio Code, HTML, CSS, JavaScript

Education

SVKM's Institute of Technology, Maharashtra

Sept 2023 - Dec 2027

B.E. in Computer Science and Engineering

CGPA: 7.01/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Image Processing

North Point School, Maharashtra

Dec 2007 - Jan 2021

Middle School

GRADE A+

Activities and Societies: Member of Orion Group, Scholar of IPO (International Physics Olympiad) and IMO (International Mathematical Olympiad)

Project Work

- **Safe Sprout (2024):** Developed a mobile application focused on women's safety, featuring real-time location tracking, SOS alerts, and communication with trusted contacts and emergency services. Led a team of 4 to enhance user confidence and emergency response, contributing to a safer environment for women.
- **Digital Image Processing System(2024):** Delivered an in-depth seminar on the fundamentals and applications of digital image processing. Covered core topics such as image enhancement, segmentation, feature extraction, and object detection, with a focus on their use in autonomous vehicles.
- **Survey Paper on Digital Image Processing in Autonomous Vehicles(Present):** Currently authoring a survey paper on digital image processing in autonomous vehicles, focusing on object detection, lane tracking, semantic segmentation, and challenges like real-time processing and sensor fusion.
- **Amazon and Spotify Clones (2024):** Developed e-commerce and music streaming web applications during an internship with OctaNet Services Pvt Ltd. Designed dynamic front-end interfaces and implemented back-end functionalities for product management, cart systems, user authentication, playlist management, and music search using HTML, CSS, and JavaScript. These projects demonstrated proficiency in building scalable, user-centric platforms and handling real-world data operations.

Awards and Certificates

- **Avishkar 2024:** for the project "Safe Sprout," focused on enhancing women's safety measures.
- **NISM VA Certification:**for comprehensive knowledge in financial markets and securities, with a focus on investment advisory practices.
- **Best Performance Award:** for Drama at Splash, a college cultural event, for exceptional acting and impactful storytelling, contributing to the success of the team performance.
- **Elected as First Year Student Association (FESA):** SVKM's Institute of Technology, Dhule Organized and managed sports events, promoting teamwork and active participation.
- **Contributor to Guinness World Record: Mumbai Hacks (Largest Tech Hackathon):** contributor in the record-setting largest tech hackathon, recognized by the Guinness World Records.
- **Student Member, Indian Society for Technical Education (ISTE):** Active member of ISTE (Membership No. 000450, Institute Code MH294), reflecting commitment to professional development in technical education and engineering excellence.