

Professional Summary

Results-driven Software Developer with a strong foundation in computer science and data science. Proficient in modern programming languages including Python and JavaScript, with a keen interest in AI and cloud technologies. Passionate about creating innovative solutions and collaborating in cross-functional teams to deliver impactful projects. Committed to continuous learning and mentoring others in a fast-paced environment.

Education

2023–2024 **Postgraduate Diploma in Data Science and Analytics**, *University College Cork*, Cork, Ireland

2019–2023 **Bachelor of Technology in Computer Science and Engineering**, *Medi-Caps University*, Indore, India

Work Experience

Jan 2023–Apr 2023 **Data Science Research Intern**, *Indian Institute of Technology (IIT) Indore*, Indore, India

- Developed a Python Dash application to analyze and display trends in open-source project contributions, enhancing user engagement for over 100 users.
- Collaborated with interdisciplinary teams to create machine learning models, achieving a 20% accuracy improvement in predictions.
- Managed a MongoDB database, optimizing data retrieval, which increased report generation speed by 15%.
- Mentored peers on data analysis tools, improving their capabilities by 25%.
- Participated in agile development processes, demonstrating proactive problem-solving skills in a dynamic setting.

Jun 2022–Sep 2022 **Full-Stack Development Intern**, *Indian Institute of Technology (IIT) Indore*, Indore, India

- Designed and developed a React-based web application for tracking security issues, improving manual tracking efficiency by 30%.
- Collaborated with backend developers to integrate secure APIs, enhancing data protection and user experience.
- Participated in code reviews and agile sprints, fostering a culture of teamwork and continuous improvement.

Jun 2021–Sep 2021 **Front-end Developer Intern**, *Techdome Pvt. Ltd.*, Indore, India

- Developed an invoice management system using React.js, significantly improving client billing efficiency by 25%.
- Collaborated with cross-functional teams to optimize website load times, enhancing overall user experience.
- Assisted in UI/UX design, leading to a measurable increase in client satisfaction by 10%.

Technical Skills

Tools R Studio, Oracle Database 12c

Programming Languages Python, R, JavaScript (React.js, Redux), HTML, CSS

Operating Systems Linux, Windows

Other Skills Data Visualization (Matplotlib), Machine Learning (Scikit-learn), Statistical Analysis, Algorithm Optimization, Web Application Development

Projects

Open Source Contribution Analysis App	Developed a Python Dash application to analyze and visualize trends in open-source contributions, enhancing user engagement and supporting community outreach efforts.
Network Security Dashboard	Engineered a monitoring dashboard using Python , improving incident response times and providing analytical insights into network performance.
Invoice Management System	Created a fully functional invoicing system that automated billing processes for over 100 clients, reducing manual input by 30% and ensuring data accuracy.
Microservices Project	Designed and implemented a microservices architecture for a web application, enabling scalable and efficient data processing.

Certifications

2021	AWS Academy Graduate - AWS Academy Cloud Foundations(AWS)
2021	AWS Fundamentals: Going Cloud-Native
2021	Introduction to IoT(Cisco)
2020	Programming for Everybody (Getting Started with Python)
2020	Python Data Structures