Akash Patel

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ, USA   Aug'21 - Dec'22
MS in Computer Science   GPA: 3.93
Relevant coursework: Web Programming, SDLC, Database Management, Adv. Algorithms

Charusat University, Anand, Gujarat, India   Aug'17 - Apr'21
B.Tech in Computer Engineering   GPA: 3.31

PROFESSIONAL EXPERIENCE

iOasiz Inc - Piscataway, NJ   Jan'23 - Present
Software Developer Analyst
• Worked on the improvement of data protection and security in Python projects to increase security rate by 35 % while creating new user information solutions.
• Implemented CI/CD pipelines to automate testing and deployment, reducing deployment time by 20%.
• Enhanced the company's internal system by improving a robust filter feature, enabling employees to efficiently sort and refine data within the system. This strategic addition resulted in a 15% reduction in manual labor and streamlined data retrieval processes, contributing to increased productivity and reduced operational overhead.
• Designed and implemented scalable software solutions for multiple projects in technologies such as Python, Java, and SQL.

Panasonic North America Corporation - Newark, NJ   Jun'22 - Dec'22
Software Developer Intern
• Demonstrated proficiency in ReactJS and Bootstrap to design an interactive interface for users, improving UI by 40%.
• Collaborated with cross-functional teams to gather, analyze, and document project requirements, ensuring a 95% accuracy rate. Additionally, maintained a strong focus on security, resulting in a 25% reduction in security vulnerabilities.
• Assisted in implementing automated backup and recovery mechanisms for data, reducing data loss risk by 70%.

Pacenet India Pvt. Ltd. – Vadodara, Gujarat   May'20 - Apr'21
Software Engineer and Security Analyst
• Seamlessly integrated security assessments and testing into the SDLC, resulting in a 20% reduction in the time required to address vulnerabilities and ensured that security considerations were integrated into every phase of development for 12 projects, contributing to a 95% compliance rate with security standards.
• Developed and secured 7 RESTful services and APIs, ensuring data integrity and confidentiality for over 100,000 data transactions.
• Successfully completed 10 Agile sprints as both a software engineer and security analyst, delivering features on time and within scope and utilized full-stack skills in Django and ReactJS to develop and secure 5 web applications, achieving a 15% reduction in post-release vulnerabilities.

ACADEMIC PROJECTS

Expense Managing Portal   Aug'22 - Dec'22
• Utilized ReactJS for the frontend, resulting in a highly responsive and dynamic user interface, and implemented a component-based architecture, reducing development time by 20% and enhancing code maintainability.
• Designed a flexible document schema to accommodate evolving data requirements, saving 35% in schema alteration time.

Tic-mail   Jan'22 - Apr'22
• Utilized Django REST Framework to create RESTful APIs, resulting in a 20% faster response time for ticket updates.
• Utilized MongoDB as the NoSQL database, achieving 25% faster ticket retrieval.
• Leveraged WebSockets and Django Channels for real-time ticket updates, enabling instant notifications to users and support agents.

SKILLS

Programming Languages: Python, Java, JavaScript, C++, C#, SQL, Solidity
Cybersecurity Tools: NIST, ISO, Cyber Essentials, CIS
Web Technologies: HTML5, CSS, Node, Express, NextJS, REST API, Spring-Boot, jQuery
Tools & Technologies: AWS, Gitlab, CI/CD, Git, Docker, Postman, Ganache
Hard Skills: Problem Solving and Troubleshooting, Cybersecurity Awareness and Best Practices, Risk Assessment and Mitigation