JAYESH PATIL

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EDUCATION

Drexel University   Pennsylvania, USA
Master of Science in Computer Science   Sep 2023 - Jun 2025

S.D Bansal College of Technology   Indore, India
Bachelor of Technology in Computer Science   Aug 2019 - Jun 2023

SKILLS

Languages: JavaScript | Python | C | Typescript | C++ | CSS | HTML | Dart | JSON.
Frameworks: Node.js | Express.js | MongoDB | Vue.js | React.js | Flutter | Next.js | Firebase | GraphQL | MySQL
Tools: Git | GitLab | Postman | AWS | REST APIs | Linux | Material UI | Docker | Jira | Kubernetes | Azur
Skills: Front-end | Agile | Back-end | Unit testing | Micro-services | CI/CD | SCRUM | Kanban | DevOps

PROFESSIONAL EXPERIENCE

Software Developer Intern   Indore, India
Alliant Infotech   Jul 2022 - Dec 2022
- **Developed**: and collaborated with a team of **9 people** and enriched existing system metrics by **17%**. Increased projected annual revenue **10%** through implementing optimized business logic through code.
- **Built**: and led design, development, and maintenance of scalable and high-performance products **E2E** from identifying system requirements to software implementation, testing, and configuring metrics, alarms, monitors, and dashboards.
- **Deployed**: and integrated continuous integration and deployment pipeline (**CI/CD**), performed code review, curated documentation, implemented load/stress testing, and unit/integration/e2e testing.

Web Developer Intern   Indore, India
Boxxell Animation   Jul 2021 - Dec 2021
- **Developed**: a full-stack web application using React, TypeScript, Python, MongoDB, and AWS services, reducing development time by **25%**.
- **Built**: with cross-functional teams to enhance user interface performance and optimize backend efficiency.
- **Deployed**: 10 MongoDB schemas, **5 AWS** DynamoDB tables, and built **20 REST** APIs with Node.js and Express for inventory order data

PROJECTS

Good-Morning Girlfriend (Automation) : Platform that automatically takes care of sending good morning messages while the user sips the morning green tea. Tech: Redis, SQL, AWS lambda, JavaScript and NPM.

Sentiment Analysis on News Headlines and Descriptions : Created a Winning Sentiment Analyzer to predict stock movements with **85% accuracy** based on Internet News. Scraped data from multiple Websites using Python and Selenium and integrated it with Flask-based Web Application.

Breast Tumor Classification : Deep Learning Achieved benchmark accuracy score of **94% and 96%** for a binary classifier using VGG16 and Resent-50 respectively Developed a custom binary classification model with comparable accuracy of **91%** for the classification of tumor into 2 classes Built a multi classifier for further classification of tumor cells in to 8 separate classes with approximately **85%** accuracy.

PUBLICATION

"Cyber Security: The Need of Today's Environment" is published in the IJCST. **[Link]**
"AI and Related Suggestions in India's Condition" is published in the IJET. **[Link]**
"Laws Regarding Women's Safety" is published in the IJHSSR. **[Link]**

CERTIFICATION

AWS Certified Cloud Practitioner – Foundational
AWS Certified Solutions Architect – Associate
Bosscoder Academy – Software Engineering Bootcamp