PARTH SAMIR DALVI

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EDUCATION

Purdue University, Fort Wayne, IN   **Aug 2024 – Dec 2025**
Master of Science in Computer Science
Relevant coursework: Algorithm Design, Software Project Management, Machine Learning, Software Engineering, Full Stack Web Development

Savitribai Phule Pune University, Pune, India   **Aug 2020 – Jul 2024**
Bachelor of Engineering in Computer Science
Relevant coursework: Data Structures and Algorithms, Database Management, Computer Networks and Security, Operating Systems

WORK EXPERIENCE

Application Developer | GamePlay Inc | Fort Wayne, IN, USA   **May 2025 – Aug 2025**
- Designing and developing functional, maintainable code using .NET MVC and C#
- Assisting in front-end development using Bootstrap and JQuery
- Integrating APIs and implementing efficient data storage solutions using PostgreSQL
- Participating in code reviews, testing, and debugging to ensure application quality

Data Analyst | WeAgile Software Solutions | Pune, MH, India   **Mar 2024 – May 2024**
- Developed Data Visualization pipelines to analyze large datasets, leading to a 15% improvement in operational decision
- Performed advanced Data Manipulation and cleansing to support accurate trend analysis and reporting
- Conducted quality analysis by surveillance camera data to monitor visitor entry exit metrics across multiple clients
- Created dashboards and visual reports to present key insights to stakeholders, enhancing transparency and performance

SKILLS

Languages:	C++,C#, JAVA, JavaScript, Python, SQL, PowerShell, HTML, CSS, MongoDB, React, Express
Tools:	Git, Bitbucket, JIRA, Visual Studio Code, Visual Studio Preview, Snyk (free tier), Coverity, Postman, Prisma, Power BI
Technologies:	MERN, REST APIs, YOLOv5/v7/v8, Google Cloud, DevOps, Django, PostgreSQL, Tailwind CSS, Open AI API

PROJECTS

FiBucks | fibucks.com | Personal Expense Tracker
- Technologies Used : Tailwind CSS, Next.js, MongoDB, Chai, Snyk, Git, Vercel
- Built an application to record, categorize, and visualize income expenses using dynamic charts
- Enabled secure user authentication and provided mobile friendly tracking capabilities
- Set and monitor monthly or weekly budgets

Temple Management System | React Website
- Temple Management System is an integrated digital solution designed to streamline temple operations, including administration, donation management, event coordination, and community engagement
- It leverages advanced software tools to provide a centralized, user friendly platform that enhances the efficiency of temple activities and improves communication with devotees
- Built for small temple networks a like it can scale to meet the needs of any religious organization
- Digitalized paper based workflows, enhancing efficiency and data management by 30%

Real Time Audio-Enabled Object Detection System with NLP - Based Interaction
- Applied deep learning techniques (YOLOv4) to accurately identify and detect objects in real-time within complex environments achieving an object detection accuracy rate of 98%
- Integrated the Gemini API for real-time NLP communication, enhancing user interaction with an online search module for object descriptions and applications

Resume Parsing & Candidate Matching Project | NLP
- Successfully built the backend using FastAPI to upload resumes in PDF and DOCX formats. Extracted essential details such as name, contact information, skills, education, and experience using Named Entity Recognition (NER) and stored them in a MongoDB database.
- Designed to automate resume parsing and candidate-job matching to remove biases and improve efficiency in recruitment.

ACHIEVEMENTS

Published Research Paper: Audio Based Object Detection System| DOI: 10.55041/IJSREM29989
Presented Project as the youngest team to Indian Air Force
Smart India Hackathon Hardware Edition Grand Finalists
Best Volunteer for Helping Hearts Organization