

PAYAL BEDARE

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SUMMARY

Enthusiastic Software Developer with 3 years of experience in Full-Stack (MERN) development, specializing in scalable, data-driven solutions. Proficient in JavaScript, React, Python, and Node.js, with a strong focus on API integrations and cloud-based architectures. Passionate about optimizing performance and enhancing user experience in Agile environments.

SKILLS

Languages & Databases: JavaScript, Python, Java, Apex, C/C++, HTML, CSS, MySQL, MongoDB, SQLite, PostgreSQL

Frameworks & Libraries: React, Django, Flask, NodeJS, NumPy, Pandas, Sklearn, Matplotlib, ExpressJS, OpenCV

Tools: Salesforce, AWS, ServiceNow, OpenAI, GitHub, MPI, Excel, Visual Studio, Postman, Power BI

PROFESSIONAL EXPERIENCE

1) **Glowing Bud LLC.**, New York, USA

Software Developer

January 2024 - May 2024

- Developed SaaS applications for eSIM platforms, implementing React.js for dynamic user interfaces.
- Built and optimized customer-facing apps, ensuring seamless user experiences with React, and Tailwind CSS.
- Maintained Node.js and Express.js backends for efficient API communication.
- Integrated third-party APIs for payment processing, user authentication, and eSIM provisioning.
- Designed and optimized MongoDB schemas, improving query performance and data management.
- Deployed applications on AWS, S3, and EC2 for cloud-based solutions.
- Led API development and integration with front-end systems, including an Administration Cloud platform to manage customer hierarchies and subunits. Contributed to building a subscription management platform for eSIM operators.

2) **Accenture Solutions Pvt. Ltd.**, Pune, India

Associate Software Engineer

August 2022 - December 2022

- Developed secure and scalable REST APIs to manage patient records and healthcare workflows.
- Worked on healthcare applications, developed web-based solutions using React.js, Node.js, and Express.js.
- Implemented authentication mechanisms such as OAuth 2.0 and JWT to ensure data security.
- Drafted Software Requirements Specifications during training and later contributed to project execution, optimizing the codebase by 23% through cleanups, sanitization, and streamlined business logic with OOP concepts. I met my KRA by improving overall team performance by 15% through timely, accurate ticket handling on ServiceNow.

3) **Stetig Consulting Pvt. Ltd.**, Pune, India

Associate Consultant

February 2021 - July 2022

- Developed real estate applications using React.js, enabling dynamic and interactive user experiences.
- Built platforms for real estate companies (Runwal Group) in metro cities, integrating React, and Node.js for scalable solutions.
- Designed and developed interactive dashboards to display property analytics and customer insights.
- Implemented MongoDB for efficient data storage and retrieval, optimizing property search functionalities.
- Optimized MERN stack solutions for the Runwal Group Project, enhancing issue resolution by 20%. Collaborated with product managers to align development with business needs.

PROJECTS

1) **Repair Mate: A Web Application for Home-Hub Services** | [GitHub](#) | [YouTube](#)

- Crafted a React-based web application, combining NodeJS, ExpressJS, MongoDB, and MySQL for streamlined home service booking, order management, and revenue tracking.
- Applied Google Maps API for location services and integrated OpenAI API to boost user experience with a personalized recommender system in a dynamic online platform for seamless home services.

2) **Algorithm to Construct an Input/Output (I/O) Identity for an Application** | [GitHub](#)

- Developed a Python-based clustering algorithm using KMeans and DBSCAN for categorizing I/O patterns in distributed applications.
- Addressed performance challenges in HPC data centers at Argonne National Laboratory, optimizing application organization.
- Automated identification of data handling, deployment protocols, and I/O tasks for improved distributed system efficiency.

3) ML-Based System for Automated Classification and Data Extraction | [YouTube](#)

- Innovated a versatile OCR-powered software extracting text from diverse document (restaurant bills) types of operating Yolo for training field discrimination, complemented by a REST service and React-based web app for end-user and third-party integration.
- Implemented a cost-effective and time-efficient alternative to labor-intensive data entry, decreasing processing time for each receipt from 30-35 seconds to 5-10 seconds. Efficient approach improves workflow, reduces the need for manual data entry.

4) The Registration and Attendance Monitoring System using Face Recognition

- Developed a MERN stack web application for automated attendance tracking using face recognition in Python.
- Integrated open-source libraries to enhance recognition accuracy and system efficiency.
- Designed an interactive React-based UI with Node.js and Express.js handling backend logic.
- Implemented MongoDB Atlas (cloud-hosted) for scalable and efficient data storage.

5) Pune Metro Database Management System

- Built a Metro Management System using the MERN stack to facilitate real-time passenger inquiries.
- Designed and managed a MongoDB database for seamless CRUD operations.
- Developed RESTful APIs with Node.js and Express.js to handle data retrieval and processing.
- Improved system efficiency and user experience through optimized data handling and responsive UI.

CERTIFICATION

- Salesforce Certified AI Specialist | [Link](#)
- Salesforce Certified AI Associate | [Link](#)
- Heterogeneous Parallel Programming using CUDA and OpenCL by [AstroMediComp](#)
- National Service Scheme by [NSS](#)
- Modern Operating System Installations by Sunbeam Institute
- MTA: Introduction to Programming Using JavaScript - Certified 2019 | [Link](#)

VOLUNTEER EXPERIENCE

1) Discipline Head | National Service Scheme (NSS)

Led and managed disciplinary activities for a team of 50+ volunteers, ensuring smooth execution of social welfare programs.

2) STEM Educator | Community Coding Workshops

Conducted coding workshops for students and beginners, covering topics like JavaScript, Python, and Full-Stack Development, and Developed and delivered hands-on projects to enhance practical coding skills and problem-solving abilities.

3) Mentor | Women in Tech & Diversity Initiatives

Actively supports women in technology through mentorship programs, providing guidance on career growth and technical skills. And Conduct resume reviews, mock interviews, and coding sessions to help aspiring developers break into the industry.

EDUCATION

Illinois Institute of Technology, Chicago, IL.

Master of Science in Computer Science

January 2023 - December 2024

GPA: 3.3

University of Pune, India.

Bachelor of Engineering in Information Technology

July 2017 - May 2021

GPA: 3.8