Bhavansh Sthapak

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EDUCATION

Arizona State University, Tempe   **Aug 2023 – Exp. May 2025**
Master of Science, Computer Science   **GPA: 3.74/4**

Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, India   **Aug 2018 – May 2022**
Bachelor of Technology, Computer Science   **GPA: 3.7/4**

SKILLS

Languages: Python, JavaScript, TypeScript, C/C++, SQL, HTML5/CSS3, R
Frameworks: Next.js, React.js, React-Native, Express.js, Redux, Flask, Bootstrap, TailwindCSS, Electron.js,
Developer Tools: Node.js, Git, Docker, Kubernetes, Linux, REST APIs, PostgreSQL, MongoDB
Relevant Coursework: Cloud Computing, Natural Language Processing, Algorithms, Distributed Database Systems
Cloud Platform: Amazon Web Services

EXPERIENCE

Full-Stack Software Engineer Intern   **May 2024 – August 2024**
MissPoppins Inc.   *Los Altos, CA*

- Led the development of a highly functional CRM dashboard using Next.js and React.js, reducing operational costs by 60%
- Architected and optimized responsive, user-friendly front-end pages with Context API, Next.js Routing, and Material-UI, cutting HTTP requests by 60% and enhancing page load times by 30%
- Spearheaded the design and implementation of a Chat page with integrated Video/Voice calling, enabling seamless communication between doctors and clients reducing communication related delays by 25%.
- Engineered and deployed APIs with Express.js to interact with MongoDB, ensuring efficient data retrieval and storage for dynamic UI updates
- Resolved 20+ functional and UI bugs, improving user interface performance by 70% and boosting consultation efficiency by 40% for over 20 health experts and doctors.

Software Development Intern   **May 2022 – Feb 2023**
Biourja Group   *Indore, India*

- Created "Bid-Converter-Tool", a PyQt5-based Python GUI to automate FTR bid format conversion to ISO standards, streamlining the process and reducing bid submission time by 25%
- Automated data downloads from various ISO websites and uploads to Snowflake DB, saving over 3 hours of daily manual work, using Python scripts with Selenium and SQLAlchemy ORM.
- Optimized 4 key projects using Pandas, OCR, and web crawling, boosting efficiency by 70% (10 to 3 minutes processing time) and data accuracy by 40%

Machine Learning Intern   **Jan 2022 – Apr 2022**
Allsoft Solutions Pvt. Ltd.   *Indore, India*

- Boosted credit risk modeling accuracy by 3% (97% vs. 94%) for financial institutions, by deploying an XGBoost model and identifying key predictors like credit score and utilization through comprehensive data analysis of a 30,000-row American Express dataset
- Translated complex data into actionable business insights, improving decision-making processes, by creating clear and effective visualizations with Matplotlib to facilitate valuable inferences

PROJECTS

Cloud-Native System Monitoring App   **Jan 2024 – Feb 2024**

- Built a real-time, cloud-native system monitoring application using Python and Plotly. Dockerized the application and deployed it on AWS EKS. Automated deployment processes to Amazon ECR using Boto3 scripts.

TravelPulse   **Nov 2023 – Dec 2023**

- Crafted a React Native ride information app using Tailwind CSS and React Native Navigation for seamless transitions. Leverages real-time travel insights (time, distance, cost) via Google APIs for informed travel decisions and effortless navigation with accurate location-based routing

Serverless Chat App   **Nov 2023 – Dec 2023**

- Designed a highly scalable serverless chat app on AWS, empowering real-time communication with Lambda's dynamic data handling, S3 & DynamoDB's efficient storage, and API Gateway's robust RESTful API, all secured by Cognito auth

NexMeet   **Oct 2023 – Nov 2023**

- Developed a feature-rich WebRTC video conferencing app enabling real-time communication with audio/video, device switching, and secure connections. Leveraged Node.js and Socket.io for robust signaling and peer-to-peer communication, ensuring a seamless user experience with React and Redux