

# Bhavansh Sthapak

(623) 217-8249 | bhavansh64@gmail.com | LinkedIn | Github

## EDUCATION

**Arizona State University, Tempe**  
Master of Science, Computer Science

**Aug 2023 – Exp. May 2025**  
**GPA: 3.74/4**

**Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, India**  
Bachelor of Technology, Computer Science

**Aug 2018 – May 2022**  
**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*

- Spearheaded the development of a custom CRM platform using Next.js and React.js, replacing a third-party solution with an in-house communication solution, reducing operational costs by 60%
- Designed and optimized modular, scalable front-end pages, leveraging Context API, Next.js Routing, and Material-UI to reduce HTTP requests by 60% and to improve page load times by 30%
- Integrated a secure, real-time chat feature with video/voice calling into the platform, customizing a third-party solution to meet detailed requirements, enhancing communication between coaches and clients and reducing delays by 25%
- Developed and deployed RESTful APIs using Express.js and MongoDB to support dynamic data retrieval and storage, enabling real-time updates and ensuring seamless user interactions
- Resolved 20+ critical UI and functional issues, boosting interface performance by 70% and increasing consultation efficiency by 40% for over 20 health experts and coaches

**Software Development Intern**

**May 2022 – Feb 2023**

*Biourja Group*

*Indore, India*

- Developed the "Bid-Converter-Tool," a Python GUI application using PyQt5, automating the conversion of FTR bid formats to ISO standards, streamlining processes, and reducing bid submission time by 25%
- Automated data extraction and integration workflows by creating Python scripts with Selenium and SQLAlchemy ORM, enabling seamless downloads from ISO websites and uploads to Snowflake DB, saving over 3 hours of manual work daily
- Optimized four mission-critical projects by leveraging Pandas, OCR technologies, and web crawling, reducing data processing times from 10 minutes to 3 minutes (a 70% improvement) while enhancing 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**

- Developed a real-time system monitoring app using Python and Plotly to visualize CPU and RAM usage. Containerized with Docker, deployed on AWS EKS, and automated deployment to Amazon ECR using Boto3 scripts.

**TravelPulse**

**Nov 2023 – Dec 2023**

- Implemented 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, facilitating 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**

- Built a WebRTC video conferencing app with real-time audio/video, device switching, and secure connections, using Node.js and Socket.io for signaling and React with Redux for a seamless user experience