Bhavansh Sthapak

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EDUCATION

Arizona State University, Tempe — **Aug 2023 – May 2025**
Master of Science, Computer Science — **GPA: 3.77/4**

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

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, SQL, HTML, CSS
Frameworks: React, Next.js, Express, Redux, React Native, Flask, Electron, Tailwind, Bootstrap
Cloud & Infrastructure: AWS (Lambda, ECS, ECR, S3, DynamoDB, Cognito), Docker, Kubernetes
Databases and tools: PostgreSQL, MongoDB, Git, Node.js, WebRTC
Coursework: Cloud Computing, Algorithms, Natural Language Processing, Distributed Databases

EXPERIENCE

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

- Built a modular CRM with Next.js and React, replacing a third-party tool and cutting platform costs by 60%
- Reduced HTTP calls by 60% and page load time by 30% by redesigning state logic with Context API and dynamic routing
- Added real-time chat with video/voice via WebRTC and a customized SDK, reducing average coach-client delays by 25%
- Delivered backend APIs with Express and MongoDB to support live CRM actions with consistent < 200ms response latency
- Fixed over 20 production-critical issues, increasing UI responsiveness and consultation throughput by 40%
- Coordinated directly with product to scope weekly features, improving delivery speed by 35% without regressions

Software Engineer — **May 2022 – Feb 2023**
Biourja Group, Indore, India

- Built a Python GUI tool with PyQt5 to convert FTR bids to ISO format, decreasing submission time by 25%
- Automated data extraction and upload across ISO sites using Selenium, SQLAlchemy, and Snowflake pipelines, saving 3+ hours/day in manual work
- Improved data parsing performance by 70% by rewriting logic with Pandas and OCR, raising accuracy by 40% across 4 business-critical projects
- Handled direct handoffs with non-technical users, ensuring consistent delivery of production-grade internal tools

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

- Improved credit risk classification from 94% to 97% by tuning XGBoost models on American Express credit data
- Analyzed key predictors like utilization rate and credit score to guide feature importance decisions for 30,000+ records
- Built effective data visualizations using Matplotlib to help product teams interpret model outputs for business use

PROJECTS

Elastic Face Recognition System — **Feb 2024 – May 2024**

- Deployed a face recognition service on AWS with autoscaling EC2 workers, using SQS for job queues and S3 for image storage
- Used PyTorch for image inference; system handled 50 concurrent uploads with 100% accuracy and sub-4 minute processing

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

- Built a real-time dashboard in Python with Plotly to visualize system usage, containerized and deployed to AWS EKS
- Automated image build and push to ECR using Boto3, with live updates every 1s on CPU/RAM metrics

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

- Built a stateless chat app using AWS Lambda for processing, DynamoDB for message storage, and Cognito for auth
- Used API Gateway for routing and S3 for static asset storage; app supported full CRUD messaging with real-time updates

NexMeet – WebRTC Video Conferencing — **Oct 2023 – Nov 2023**

- Built a browser-based WebRTC video calling app with real-time A/V, mute toggles, and device switching
- Used Socket.io for signaling, Node.js on the backend, and Redux for call state management