

Prasann Prashant Shimpi

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EDUCATION

Master of Science in Computer Science Arizona State University Coursework: <i>Data Mining, Statistical ML, Software Verification, Validation and Testing, KRR, Software Security</i>	August 2023 – May 2025 Tempe, AZ GPA: 4.17/4.0
Post Graduate Diploma in Data Science and Artificial Intelligence College of Engineering Pune Coursework: <i>Tableau, Deep Learning, Statistics and Linear Algebra, Natural Language Processing, Spark</i>	July 2022 – July 2023 Pune, India GPA: 3.7/4.0
Bachelor of Engineering in Computer Engineering with Honors in Cyber Security Savitribai Phule Pune University, Pune, India Coursework: <i>Operating Systems, Data Structures and Algorithms, Object Oriented Programming</i>	August 2018 – June 2022 Pune, India GPA: 3.8/4.0

TECHNICAL SKILLS

Python, C, C++, HTML5, CSS3, JavaScript, SQL/PLSQL, Dart, Solidity, Scikit-learn, Keras, Pandas, Numpy, React, Flask, Pyspark, Flutter, D3, PostgreSQL, MongoDB, Tableau, HuggingFace, Spark, GitHub, Docker, ORM, AWS, GCP

PROFESSIONAL EXPERIENCE

Teaching Aide – Grader, CIS 508: Machine Learning in Business Arizona State University <ul style="list-style-type: none">Evaluated assignments and projects on machine learning topics, including supervised/unsupervised learning and optimization, providing feedback that improved student performance by 20% on average.	October 2024 – December 2024 Tempe, AZ
Machine Learning Intern Dimensionless Technologies <ul style="list-style-type: none">Designed and created a text processing application employing PEGASUS and RoBERTa models, improving efficiency by 40%Developed a user-friendly interface using Tkinter for application, reducing information extraction time by 50%	June 2023 – October 2023 Pune, India
Software Development Engineer Intern Whizstorm Inc <ul style="list-style-type: none">Built a mobile application leveraging React Native and Tailwind for frontend and custom APIs and Postman for backend, facilitating 18% quicker access to website featuresCreated a multilingual website with HTML, CSS and JavaScript using ReactJS, Tailwind and Firebase for an initiative aiming to empowering local businesses with scalable technology integration initiatives	January 2023 – June 2023 Mumbai, India
Cloud Security Associate Virtually Testing Foundation <ul style="list-style-type: none">Established a foundation in AWS cloud security with hands-on training experience in IAM Roles, S3 Buckets, Lambda Functions, EC2 instances, Aurora, CloudFront and WAFAddressed 15 security incidents through troubleshooting, log management (CloudTrail and CloudWatch), and executing security measuresIncorporated defence measures against SQL injection and DDOS through AWS WAF and CloudFront leading to a 25% improvement in incident detection and response time	June 2021 – September 2021 Remote

PROJECT EXPERIENCE

Decentralized Consensus gathering SaaS <i>NodeJS, NextJS, TypeScript, AWS S3, EC2, JWT, PostgreSQL, Solana, Solidity</i> Personal Project, Arizona State University <ul style="list-style-type: none">Developed a decentralized software platform for content creators leveraging NodeJS, NextJS, TypeScript, and Tailwind, with JWT-based authentication and PostgreSQL database managed via Prisma ORM leading to 30% faster implementationConducted integration of AWS S3 and CloudFront for storage and content distribution, implemented access management through IAM policies, and facilitated transactions via Solana blockchain and Web3.js enhancing security by 200%	Tempe, AZ
Personalized Multimedia Recommendation System: Leveraging User Preferences and History <i>Python, NLP, Scikit-learn</i> Arizona State University <ul style="list-style-type: none">Led the integration of BERT embeddings into a Flask-based web application, achieving 90% alignment in recommendations across media categories and improving suggestion precision by 25%, enhancing user experience.	Tempe, AZ
Blockchain-Based Supply Chain Tracking <i>Solidity, Ethereum, Hyperledger, IPFS, React</i> Personal Project, Arizona State University <ul style="list-style-type: none">Built a decentralized application (dApp) using Solidity, Ethereum, and React to track goods in a supply chain, improving transparency by 40%.Integrated Hyperledger and IPFS to store immutable data reducing manual verification efforts by 50%.Deployed the system on a local blockchain network using Docker, enabling a secure, tamper-proof solution for industries.	Tempe, AZ