

Shlok Shetty

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EDUCATION

University of Washington — Seattle

Seattle, WA

Bachelor of Science in Informatics: Data Science, Minor in Applied Mathematics

Expected Dec 2026

Relevant Coursework: Advanced Data Science Methods, Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Databases and Data Modeling, Probability, Linear Algebra, Data Visualization

EXPERIENCE

Software Engineering Intern

Jan 2026 – Present

Crest Data

- Built production backend services in Python integrating REST APIs (Jira, VirusTotal) to process 500+ daily alerts at scale, reducing manual triage time by 75%.
- Engineered a threat intelligence pipeline achieving 95% classification accuracy and sub-3-minute response times using automated domain reputation and malware association analysis.
- Developed a secure alert workflow handling 15K+ monthly alerts with 99.2% uptime using structured logging, retry logic, and over 80% automated test coverage.
- Collaborated with security analysts to refine alert classification logic and reduce false positives in production.

Software Engineering Intern

Jun 2025 – Aug 2025

Larsen & Toubro Technology Services

- Built an OCR-powered receipt processing system to extract structured financial data from PDF documents.
- Developed Python backend APIs for text parsing, table generation, and file handling.
- Designed a React/JavaScript interface displaying original receipts alongside extracted fields for user validation.
- Implemented CSV and Excel export functionality to integrate processed data into enterprise financial systems.

Data Science Intern

Jan 2025 – Apr 2025

University of Washington — Men's Basketball

- Partnered with coaching and analytics staff in an Agile workflow to define requirements and deliver analytical tools.
- Built statistical models to rank 2,000+ NCAA transfer portal players using performance metrics and team context.
- Automated data ingestion and processing pipelines to ensure up-to-date player evaluations for scouting decisions.
- Designed an advanced player grading model combining box-score and play-level indicators into a single scouting score to support transfer evaluations.
- Built lightweight reporting/visualization outputs (rank tables, role fits, trend views) to communicate insights clearly to coaches and front office stakeholders.

PROJECTS

AI Story Generation Agent (Ollama) | Python

Jan 2026

- Built an AI agent using Ollama to generate long-form stories with controlled narrative structure, tone, and character consistency.
- Engineered prompt templates and iterative generation logic to maintain coherence across multi-step outputs.
- Added user-controlled parameters for genre, pacing, narrative voice, and story length.

NFL MVP Prediction Model | Python, Scikit-Learn

Jan 2025

- Developed a logistic regression model using 17 passing and rushing metrics to predict NFL MVP outcomes.
- Applied feature scaling and an 80/20 stratified train-test split to ensure balanced evaluation.
- Generated probabilistic forecasts and correctly predicted Josh Allen as the 2024 NFL MVP.

TECHNICAL SKILLS

Languages: Python, R, Java, SQL, MATLAB, JavaScript, HTML/CSS, C/C++

Libraries/Frameworks: Pandas, NumPy, Scikit-Learn, PyTorch, TensorFlow, ggplot2

Tools: Linux/UNIX, AWS, Tableau, Power BI, Git, LaTeX, Excel, CUDA