

Nick Sharma

(601) 310-7440 | nischitrajsharma@gmail.com | github.com/MaxPayneNoGain | linkedin.com/in/nischit-sharma | nischitsharma.com

EDUCATION

The University of Southern Mississippi

Expected May 2027

Bachelor of Science in Computer Science

Minors in Business Administration (General Business) and Mathematics

Hattiesburg, MS

- GPA: 3.97
- Relevant Coursework: Data Structures and Algorithms, Software Development, Discrete Mathematics, Secure Software Development, Operating Systems, Probability and Statistics, Database Design
- Honors: President's List (5 semesters), Dean's List (1 semester), Academic Excellence Scholarship

PROFESSIONAL EXPERIENCE

Software Developer

May 2026 – Present

The Roy Howard Community Journalism Center

Hattiesburg, MS

- Developed and deployed a cross-platform React Native mobile app (RHCJC News) to the iOS App Store and Google Play Store, managing the full release pipeline including EAS builds, code signing, provisioning profiles, and distribution.
- Built production web features for a journalism platform serving 65,000+ readers across 10 Mississippi counties, improving editorial workflows and reducing manual publishing tasks by over 90%.
- Built a Python pipeline that collects press releases from 10 county sites, multiple city websites, RSS feeds, and an IMAP inbox, formats them and files WordPress drafts.

Full Stack Java Development Intern

Jun 2022 – Sep 2022

Professional Computer System (P) Ltd.

Kathmandu, Nepal

- Developed RESTful endpoints for an inventory management system in Java and Spring Boot, working from data model through service and controller layers.
- Built responsive React components for a client-facing web app and wired them to the team's Spring Boot APIs.
- Tuned slow Oracle queries by restructuring joins and adding indexes, cutting several seconds off high-traffic lookups.

PROJECTS

Premier League Predictive Data | Python, FastAPI, PostgreSQL, SQLAlchemy, pandas, SciPy

- Built a match prediction model over two seasons of Premier League fixture and odds data, producing win/draw/loss probabilities, full scoreline distributions and expected goals for every fixture.
- Validated on 700 held-out matches against professional bookmaker odds, closing 77% of the gap between league averages and the market on Brier score and Ranked Probability Score.
- Designed a versioned data archive against an overwriting upstream source, keying each snapshot by fetch timestamp to eliminate lookahead bias in backtesting.

Pothole Detection | Python, TensorFlow/Keras, scikit-learn, NumPy

- Built a reproducible image classification pipeline over 1,294 road images merged from two public datasets, with MD5 deduplication, stratified splitting, and one-command regeneration of all figures and metrics.
- Benchmarked three models and found transfer learning with a frozen MobileNetV2 backbone beat a from-scratch CNN, lifting accuracy from 87.6% to 96.1% and minority-class F1 from 0.75 to 0.94.

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C++, C#, SQL

Frameworks and Libraries: React, React Native, FastAPI, Next.js, pandas, SQLAlchemy, SciPy, Spring Boot, NumPy, Tailwind CSS, Matplotlib

Databases: PostgreSQL, Firebase, SQL Server, MySQL, Oracle, SQLite

Tools and Platforms: Git/GitHub, Azure, Docker, WordPress, AWS