


Saleep Shrestha

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EDUCATION

The University of Southern Mississippi (USM), Hattiesburg, MS

Bachelor of Science in Computer Science, Honors Discovery Scholar, 4x Presidents List

May 2027

GPA: 4.00

Relevant Courses: Hacking for Defense (H4D), Data Structures and Algorithm, Software Development

EXPERIENCES

Student Ambassador

IBMz Mainframe

July 2025 - Present

Hattiesburg, MS

- Lead the IBM Z Student Group at USM, organizing weekly meetings, workshops, and campus-wide events to raise awareness of mainframe technology
- Promoted IBM Z Xplore by onboarding peers and guiding them through COBOL and z/OS learning, increasing student participation in mainframe education

Software Development Associate

ArroyoDev (Illumibot)

April 2025 - Present

Hattiesburg, MS

- Increased partner projector sales by 15% by developing a projector recommendation system on the Illumibot website, using user-input data and implementing React-based UI components with real-time data triggers for brands like BenQ
- Automated transactional email and SMS delivery by integrating the Brevo API into FlutterFlow's backend, reducing manual effort by 10% and improving response times by 20%
- Boosted content processing efficiency by 31% by implementing API workflows to automate transcript generation, summarize content with GPT, and deliver key notes to Frame.io for 1,000+ videos
- Automated and managed support tickets from the Illumibot app, addressing general projector questions, technical issues, shipping status/problems, pre-orders, and Atmos customer sync, increasing response efficiency and customer satisfaction by 20%

Full-Stack Developer

Retina MS

April 2025 - Present

McComb, MS

- Revamped the Retina MS website by modernizing the design, adding insurance verification features, and building secure patient data collection forms used by 1000+ patients annually, improving usability and transparency
- Collaborated with clients and patients to gather requirements and translate them into functional solutions, while designing kiosk displays and presentation slides to strengthen patient engagement and brand visibility

Undergraduate Research Assistant

School of Computing Sciences and Engineering, USM

Feb 2024 - May 2025

Hattiesburg, MS

- Enhanced phishing detection research by preprocessing and analyzing 1,000+ email samples, improving dataset accuracy by 10% using Python and predictive modeling techniques
- Led data cleaning, feature engineering, and automation scripting for a 5-person research team, boosting overall efficiency by 15%

PROJECTS

Mr. Grammar

Full-Stack Developer, Chrome Extension

March 2025 - Present

[Extension link](#)

- Developed the Chrome Extension "MrGrammar" using React.js and Express.js, achieving a 5-star rating in the Chrome Web Store and strong user adoption
- Implemented real-time grammar and spelling correction with the OpenAI API, enhancing writing quality for thousands of users
- Built scalable API integrations and a seamless, user-friendly browser interface, ensuring high performance and positive user experience

RecruitVision (H4D / DS4D)

Team Lead, Full-Stack Developer, Data Analyst

Jan 2025 - May 2025

- Engineered a Python-based geospatial data pipeline, mapping 30,000+ Marine recruit addresses to precise congressional districts using Census API and TIGER shapefiles
- Automated district-level recruiting reports and developed interactive dashboards with Power BI and ArcGIS Pro, improving data accessibility by 15% and reducing reporting time by 25% for the U.S. Marine Corps
- Collaborated directly with the U.S. Marine Corps, conducting 90+ expert interviews to guide MVP development and ensure alignment with critical congressional reporting workflows

TECHNICAL SKILLS

Languages: Python, C++, C#, React, JavaScript, C, R, SQL, COBOL

Tools & Frameworks: Pandas, Numpy, ArcGIS, Matplotlib, Scikit-Learn, IBMz, Brevo, Twilio API, BeautifulSoup

Concepts: Machine Learning, Regression Analysis, Quantitative Data Modeling, Geospatial Analysis

Additional Skills: Multilingual Support Integration, REST APIs, Data Visualization, Data Scraping