

Gaurav Joshi

21 Ace Avenue, Starkville, MS | (662) 497-8017 | gsj38@msstate.edu

EDUCATION

Mississippi State University

Bachelor of Science in Computer Science (GPA: 3.58/4.0)

Coursework: Algorithms, AI Robotics, Engineering Statistics, Programming Languages

Starkville, MS

January 2016 – December 2019

SKILLS

- **Programming Languages:** C++, Python, C
- **Frontend:** HTML5, CSS3, JavaScript, jQuery, React.js
- **Backend and Databases:** PHP, Node.js, MySQL, Flask, SQLite
- **Others:** Machine Learning, Computer Vision, OpenCV, Git

WORK EXPERIENCE

National Strategic Planning and Analysis Research Center (NSPARC)

IT/Security Engineer

Starkville MS

May 2019 - Present

- Optimized efficiency of Event Management tools by automating routines and reducing redundancy
- Leading security and maintenance for tools including Nexpose, Event Tracker, CyberArk, MS-CIS and Brand Protect

Bagley College of Engineering, Mississippi State University

Undergraduate Researcher

Starkville MS

August 2018 – May 2019

- Deployed machine learning algorithms to analyze alternatives to thermal imaging for law enforcement investigations
- Collaborated with the SWAT Team to collect and analyze surveillance activities, fugitive searches using real-time data

Athletic Academics, Mississippi State University

Tutor

Starkville MS

May 2017 – December 2017

- Conducted tutoring sessions for programming and math classes such as Python Programming, Calculus 1

PROJECTS

Chatbot [Reddit API, TensorFlow, Python]

- Implemented neural chatbot using TensorFlow sequence to sequence model with attentional decoder

Automate.py [Libraries: BeautifulSoup, Selenium, Scrapy]

- Wrote Python scripts and created cron jobs for displaying weather alerts, generating excel sheets and sorting weekly emails

Restaurant Manager Application [PHP, MYSQL, HTML5, CSS3]

- Developed a multi-layered software interface for automating processes in a restaurant

Keep-On Robot [Node.js, C, Arduino Uno]

- Built web applications using Node.js to validate responses of the Keepon Robot

Bullio Project Management [PHP, MYSQL, HTML5, CSS3]

- Developed a project management website using Bootstrap and PHP

LEADERSHIP EXPERIENCE

DevNet Software Engineering Club, Mississippi State University

Director of Member Success

Starkville MS

August 2018 – May 2019

- Served as the club ambassador for promoting members and increasing member engagement
- Contributed blog articles and managed social media accounts for weekly events