

Mannan Shukla

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EDUCATION

Rutgers University

New Brunswick, NJ

Bachelor of Science - Computer Science

May 2026

- Data Structures and Algorithms, Computer Architecture, Discrete Mathematics, Linear Algebra
- RUSLUG, RU Security Club, Photography Club, Sailing Team

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS

Frameworks: React, Node.js, FastAPI, Flask, Bootstrap, MongoDB

Developer Tools: Git, Docker, Linux, AWS, Firebase, vim

Libraries: pandas, NumPy, Matplotlib, plotly, TensorFlow

Certifications: AWS Cloud Practitioner, ISC2 CCSP (Certified Cloud Security Professional)

EXPERIENCE

Student Design Researcher

June 2023

Innovation, Design, and Enterprenuership Academy at Rutgers

New Brunswick, NJ

- Developed Full Stack Volunteer Management System for non-profits with a team of 5 design researchers in a 5 week program at Rutgers
- Located, Interviewed, and Consulted 5 key stakeholders from the Mercer and Middlesex County area
- Presented finalized project and process to other students, stakeholders, program directors, Deans at Rutgers, and the greater university community
- Landed contract to deploy for Robbinsville Hydroponic Farm at the conclusion of the project

Marketing and IT Director

July 2023 - Present

American Louvered Roof

Trenton, NJ

- Designed and developed web presence using Bootstrap deployed on Google Firebase (<https://americanlouveredroof.com>)
- Manage all company servers, domains, email addresses, VoIP, and digital accounting
- Formalized next-generation marketing strategy using social media and traditional face to face techniques and expansion plans
- Helped foster relationship with 3 strong clients resulting in current sales over \$30,000

President

September 2023 - Present

Rutgers University Student Linux User's Group (RUSLUG)

New Brunswick, NJ

- Resurrected club after 12 years, developed constitution and recruited members
- Maintained strong culture of inclusivity and curiosity for free and open source software and its community
- Hosted installfests, keysharing events, howto presentations, lan parties, and discussions
- Launched and maintained all social media, community outreach, website, and Linux servers for the website, games, and libre services

PROJECTS

zipgig | Python, FastAPI, Bootstrap, MongoDB

September 2023

- Created a full-stack web application to help people find one day jobs and gigs
- Utilized Bootstrap and Jinja templating to create a dynamic, yet approachable frontend
- Implemented FastAPI and python to implement a simple yet powerful REST API for backend
- Incorporated MongoDB database for efficient querying to eliminate wait times for all users and post data

headcount | Python, FastAPI, React, MongoDB, pypdf, Google Sheets API, git

June 2023

- Developed a full-stack web application for volunteer management using FastAPI serving a REST API with a React frontend
- Implemented pypdf to make writing forms easier and to fully automate recordkeeping
- Integrated Google Sheets API to automatically generate spreadsheets containing user data and records for easy submission