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, Photogtaphy Club, Sailing Team, Rutgers Forumla Racing

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, TensorFlow
Certifications: AWS Cloud Practitioner, Tensorflow Developer, 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 using FastAPI, Bootstrap, and pypdf
- Located, Interviewed, and Consulted key stakeholders
- Presented finalized project and process to the rest of the IDEA cohort and stakeholers
- Landed contract to deploy for Robbinsville Hydroponic Farm

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, digital accounting, etc
- Formalized digital marketing strategy and expansion plans

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
- Developed club website
- Maintaining club servers
- Hosted installfests, keysharing events, howto presentations, and discussions

PROJECTS

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 React as the frontend
- Conducted user testing and interviewed clients to make sure frontend was accessible to non technical users
- Implemented pypdf to make writing forms and recordkeeping easier
- Integrated Google Sheets API to automaticially generate spreadsheets containing user data and records for easy submission

zipgig | *Python, FastAPI, Bootstrap, MongoDB* — September 2023

- Developed a full-stack web application to help people find one day jobs and gigs
- Created dynamic bootstrap frontend with FastAPI backend
- Stored all user data with aes256 encryption
- Incorporated MongoDB database for users and post data