

SUBASH NEUPANE

Orangeburg, South Carolina

+1803-290-8369 ✉ subashneupane2022@gmail.com [in linkedin.com/in/subash-neupane](https://www.linkedin.com/in/subash-neupane) github.com/CoolSubash [Portfolio](#)

Education

Claffin University

Bachelor of Science in Computer Science, CGPA: 4.0

Aug 2022 – May 2026

Orangeburg, South Carolina

Technical Skills

Frontend: React & Redux Toolkit, TypeScript, JavaScript, Tailwind CSS, Sass, Bootstrap, HTML, CSS

Backend and Database: Nodejs, MongoDB, Python, Java, PostgreSQL, AWS, MySQL.

Tools and Version Control: Git, GitHub, Shell Scripting, Linux, Oracle VBS, Pandas

Experience

Amazon Web Services

May 2025 – Aug 2025

Software Engineer Intern

Seattle, Washington

- Developed a multi-mode authentication framework using **Java, JWT, AWS KMS** to validate both **Midway-issued and federated tokens** via a centralized **AWS Lambda Authorizer on API Gateway**.
- Migrated the Identity Delegator Service (IDD) from us-west-2 to us-east-1 using **AWS CDK, Route53** reducing token validation latency by 35% (180 ms → 117 ms).
- Implemented **cross-account observability** for IDD by centralizing **metrics and logs** into a shared monitoring stack, reducing incident resolution time and enabling faster root-cause analysis.
- Built a **React-based CloudWatch operational dashboard** (via **API Gateway + Lambda**) that securely renders metric widgets and Logs Insights queries, enabling real-time, auto-refresh monitoring for IDD and Authorizer services.
- Enhanced the **AuthorizationCache** to allow-list multiple Salesforce federated users and write **Integration/Canary tests** to validate the new **us-east-1 endpoint** post-migration.

AgFirst Credit Bank

May 2024 – Aug 2024

HR System Intern

Columbia, South Carolina

- Integrated Visual Builder Cloud Service (VBCS) applications with **Oracle Fusion Cloud** modules and external systems, improving workflow efficiency by 30%.
- Led the resolution of navigation issues on payroll and recruiting pages, enhancing user experience and decreasing navigation errors.
- Engaged with stakeholders to gather requirements and collaborated with cross-functional teams to design and implement effective HR system solutions.

Projects

Form Automation Web App - *Flask, Pandas, Plotly.js, JavaScript, Azure ML*

- Developed a **Flask**-based web application to automate form data extraction using **Azure Machine Learning Model Document Intelligence OCR**, improving data entry efficiency and accuracy.
- Implemented features for form uploads, data display in a table view, and CSV export functionality, with a frontend developed in **JavaScript**. ([GitHub: Easyform.IO](#))

Booking App - *React, TypeScript, Tailwind CSS, Clouinary, Multer, Express, MongoDB*

- Developed a dynamic booking application using **React** and **TypeScript**, implementing user authentication with **JSON Web Token (JWT)** and **bcrypt** for hashing. Implemented advanced aggregation queries in **MongoDB**.
- Conducted end-to-end testing using **Playwright** to ensure application reliability. Utilized **React Query** for efficient data fetching and state management. Employed **Clouinary** for image uploads, **Multer** for file handling, and **Tailwind CSS** for styling. Integrated payment processing via **Stripe** and deployed on **Render**. ([GitHub: Hotel-APP](#))

Leadership / Extracurricular

Google Developer Student Club

Aug 2023 – May 2024

President

Claffin University

- Established and led the **Google Developer Student Club**, bringing together a diverse community of over **50 students** passionate about technology, fostering collaboration, and encouraging knowledge exchange.
- Organized and facilitated weekly 6-hour instruction sessions for a sizable cohort of **30+ students**, with a specific focus on enhancing their knowledge of front-end development using **React** and **JavaScript**.

Awards & Involvement

- Google TechWise Fellow** (2023-Present), **Adobe HBCU 20*20 Fellow** (2024), **EVHybridNoire Fellow** (2023-2024), **National Society of Black Engineers - Member**, **AGFirst HBCU Scholar** (2024)