AUKIK AURNAB

SYSTEM ENGINEER

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PROJECTS

- **2022**

  Mr Market: A stock market analyzing web application built using react, nodejs, mongodb, express and python flask rest api. Stock market data is obtained on runtime through webscrapping using selenium and necessary analyzing tools were made by taking Rule#1 book as reference.

  https://github.com/aukik/Mr-Market

- **2022**

  DigiProd: An ecommerce full stack web application following MVC architecture built using express, nodejs, ejs and mongodb.

  https://github.com/aukik/DigiProd

JOB EXPERIENCE

- **MAY 2023 - PRESENT**
  CHIEF TECHNOLOGY OFFICER
  BISMO, MOHAKHALI
  Job Responsibilites :
  - Analyzing the business and technical requirements
  - Backend Development
  - Database Engineering
  - Test Automation
  - Frontend development
  - Cloud hosting, Reverse Proxy and CDN
  - Discovering Bottlenecks in the system
  - Docker Containerization, building CI/CD pipeline

- **NOV 2022 - MAY 2023**
  SYSTEM ENGINEER
  ALLDOC, BANANI
  Job Responsibilities :
  - Analyzing business and technical requirements
  - Backend development
  - Working with HTTP3 protocols (QUIC, TLS 1.3, HTTP2)
  - Version controlling
  - Cloud hosting

- **MAY 2021 - APRIL 2022**
  STUDENT TUTOR (ST)
  BRAC UNIVERSITY, MOHAKHALI
  Job Responsibilities:
  Providing Consultation to students and assessing their assignments (Object Oriented Programming)

ABOUT ME

Results-driven CTO with a strong background in Computer Science and Engineering. Transitioned from a system engineer to lead a SaaS startup in developing a comprehensive financial operating system. Expertise in cutting-edge technologies including machine learning, full stack development, and cloud services (Azure, AWS). Skilled in JavaScript, Python, Java, and C-style syntax, with proficiency in frameworks such as Express, MongoDB, Prisma, React, and Node.js. Experienced in integration testing, test automation, and version control (GitHub). Adept at containerization (Docker) and building CI/CD pipelines. Passionate about disrupting traditional business processes, automating operations, and optimizing supply chain management. Committed to empowering businesses with a unified and efficient financial operating system for a competitive edge in today's market.

EDUCATION

- **JANUARY 2019 - DECEMBER 2022**
  BRAC UNIVERSITY, MOHAKHALI
  Bachelor degree of Computer Science and Engineering
  CGPA: 3.93/4

- **APRIL 2016 - MARCH 2018**
  NOTRE DAME COLLEGE, MOTIJHEEL
  Higher Secondary Certificate (HSC)
  GPA: 5/5 (A+ on all subjects)

- **JANUARY 2014 - FEBRUARY 2016**
  SOUTH POINT SCHOOL & COLLEGE, BARIDHARA
  Secondary School Certificate (SSC)
  GPA: 5/5 (A+ on all subjects)

SKILLS:

- **Full Stack Development:** Express, Nodejs, Prisma, Postgresql, Docker, SvelteKit, React, OpenAI, Langchain
- **Cloud Solutions:** S3 Bucket, AWS EC2, Azure VM, Cloudflare, Cloudfront, Nginx, Wireshark, Fiddler
- **Object Oriented Programming:** Python, Java, JavaScript
- **Testing and Webscrapping:** Playwright, Jest, Supertest, Selenium, BeautifulSoup
- **Machine Learning:** Tensorflow, Keras, Scikit-learn, Numpy, Pandas, Google Earth Engine

HONORS & AWARDS

- **MERIT BASED SCHOLARSHIP (SEP 2020)**
  ISSUED BY BRAC UNIVERSITY

  75% academic undergraduate scholarship based on grade points.

- **GENERAL SCHOLARSHIP (DEC 2018)**
  ISSUED BY INTERMEDIATE AND SECONDARY EDUCATION BOARDS
  General Scholarship based on academic result of HSC examination.