SUBHAYU KUMAR BALA

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EDUCATION

Calcutta Institute of Engineering and Management, Kolkata

B.Tech in Information Technology (MAKAUT)	CGPA - **8.4**/10	07/2018 - Present

Amrita Vidyalayam, Durgapur

Higher Secondary Education (CBSE)	CGPA - **6.3**/10	05/2016 - 04/2018
Senior Secondary Education (CBSE)	CGPA - **8.4**/10	05/2014 - 04/2016

SKILLS

- **Languages:** Python, C/C++, Java, SQL, HTML, CSS, JavaScript, BASH, Perl, C#
- **Library/Frameworks:** Pandas, Matplotlib, NumPy, OpenCV, Keras, TensorFlow, Django, FastAPI
- **Tools:** Docker, Kubernetes, Nodejs, VMs, Git, NGINX, Apache Server, Jenkins, RabbitMQ
- **Platforms:** Linux (Debian, RedHat based systems), Windows, Cloud (Microsoft Azure, Google Cloud, AWS)
- **Databases:** MySQL, Postgres, MongoDB, FaunaDB
- **Technologies:** Cloud Computing, Web Development, DevOps, Machine Learning, Data Science, REST API
- **Other skills:** Project Management, Strategy Formulation, Strong written and verbal communication skills, Proactive listening, Teamwork, Open-mindedness, Creative Thinking, Excellent problem-solving skills

EXPERIENCE

FiftyFive Technologies

Software Engineer Intern — 01/2022 - Present
- Learned the real-world use cases of tools like Docker, Kubernetes, Terraform, Grafana, and many more.
- Created CI/CD pipelines for one of the client websites with over **50k** daily visitors.
- Built API endpoints for **Eningo** using FastAPI, MongoDB, and RabbitMQ.

Ardent Computech Pvt. Ltd.

Summer Trainee — 06/2019 - 07/2019
- Learned to use **Microsoft Azure cloud services**.
- Implemented **Azure Telemetry Service** to integrate IoT devices with the cloud.

VOLUNTARY EXPERIENCES

CodeChef CIEM

Chapter Lead — 11/2020 - 06/2021
- Guided and mentored a total of **100+ community members.**
- Organized **4+ webinars** and **workshops** for encouraging students to get into **Competitive Programming** and **Open Source** contribution.

DSC CIEM

Core Team Member — 09/2020 - 06/2021
- Organized **more than 7 events** and **workshops** on Computer Science topics with the help of other club members.
- Mentored **7 participants** during **Synthax**, an open-source event organized by DSC CIEM in Sept 2020.

ACHIEVEMENTS

- Developed a **Flappy Bird** game, which was selected as the **best game among 100**+ other game submissions during the **GirlScript Ireland Gaming Booster** program in 2020.   09/2020
- Was selected **among the top 500 applicants** for the **Linux Foundation Training** scholarship program across the globe.   06/2020

PROJECTS

- **GiveMyResume**
  - A website and an API for dynamically creating resumes. The resume gets hosted automatically on GitHub pages and an email is sent to the user with the resume link. Also, the whole project can be easily spun up by a simple `terraform apply` command with some secret variables. Documentation can be found here.
  - Domains covered: **Backend (Django, FastAPI), Docker, Cloud (AWS), IaaC (Terraform), CI/CD, Linux, Shell, SMTP**
- **TV Script Generator**
  - An RNN model to generate its own Seinfeld TV scripts by using a Seinfeld dataset of scripts from 9 seasons. The Neural Network has generated a new, "fake" TV script for a hypothetical Season 10 of the show.
  - Domains covered: **Deep Learning, Python, Tensorflow**
- **FINADICT**
  - A web app to predict stocks, forex, and crypto prices.
  - Domains Covered: **Machine Learning, Web Development**

CERTIFICATIONS & BADGES

- Introduction to Linux System Administration   06/2021
- MTA: Introduction to Programming Using Python - Certified 2019   08/2019
- Technical Support Fundamentals   04/2020
- IBM Applied AI Specialization   04/2020
- Google Cloud Badges on Qwiklabs