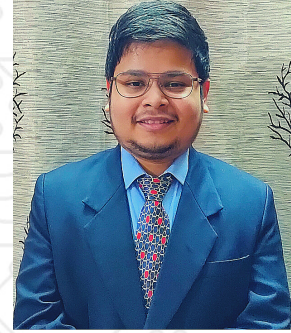


# AVIK KUNDU



## DevOps & Cloud Engineer | Backend Developer

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## Experience

### DevOps and Cloud Engineer Intern

**Thoucentric Labs Pvt. Ltd.**

April - Present 2021

Developed and Automated various tools used in their products.

- Worked with **Azure DevOps** for setting up build and deployment pipelines and Cron jobs for automatic management of **AKS clusters**.
- Developed **IAC** using **Terraform** and installed software on **AKS** clusters using **Ansible** and **Helm**.
- Developed Data Ingestion pipeline using **Apache Nifi** to bring data from various sources to a common sink automatically.

### Software Engineer Intern

**HighRadius Technologies Pvt. Ltd.**

January - March 2021

Built an **AI-Enabled FinTech B2B Invoice Management** Application

- Built **Due-Date Prediction model** using **ML** and **Flask** Server.
- Developed **APIs** for **MySQL** Connectivity with **JDBC-Servlets**.
- Developed Frontend of **Invoice Management Application** with **ReactJS-Redux**.

## Projects

### Software Development / DevOps / Cloud

- **BlogVista**: Blogging Platform built with **Authentication** and **CMS**
- **COVID Predictioned**: Perform **Predictions** based on **Chest X-Ray** Images Online via the **DL model** integrated with **Flask**
- **KIIT MUN 2021**: Official Website built on **LAMP** stack
- **Portfolio Website**: Displayed all my **projects** along with **technical articles**
- **COVID-19 CT Image Segmentation**: Locating the **GGOs** found in **CT** images of COVID-19 infected patients via **Mask R-CNN**
- **MLOps**: Integrating **CNN** models with **DevOps** automation tools and creating a pipeline for **automatic hyper-parameter tuning**
- **Dockerized MERN Stack**: Using **Docker** Containers to build **Web Application**

## Trainings & Certifications

- Global certification in **Azure Fundamentals** by **Microsoft**
- Certified Training on **MLOps - Applying Machine Learning On DevOps** with **Project work**, by **LinuxWorld Informatics Pvt. Ltd.**
- Certified training on **Expertise in Docker** along with **Project**.
- Certified training in **Hybrid Cloud** with **AWS, Azure** and **Terraform** and **Ansible**.
- Global Certification Training in **CCNA 201-300** by **Cisco**.

## Skills

### Programming Languages

**C/C++** **Java** **Python** **JavaScript** **Bash**

### Frameworks and Tools

**Node.JS** **Docker** **Kubernetes** **Terraform**

**React-Redux** **AWS/Azure** **Jenkins** **Ansible**

**Tensorflow/Keras** **Flask** **MongoDB** **NoSQL**

**MySQL** **Linux** **JDBC/Servlet** **SDLC**

## Education

**KIIT University, Bhubaneswar**

### B.Tech, Computer Engineering

2018-2022

- Secured **9.33 CGPA** till **6th Semester**
- **Member of Advisory Body**, **KIIT E-Cell**
- **Course Coordinator & Web Developer**, **KIIT E-labs**
- **Senior Coordinator & Cloud Architect**, **IoT Lab**

**Delhi Public School, Kolkata**

### Matric & Intermediate, CBSE

2007-2017

- Completed **10+2** with **90%** grade in **2017**
- Completed **Matriculation** with **10 CGPA** in **2015**

## Achievements

- Secured **2nd Position** from **India** in the **TCS Inframinds Season-4** National Hackathon. The theme was **Autonomous IT**.
- Selected among the top **3000** students globally for **Microsoft Learn Student Ambassador Global Program**.
- Published **Conference Research Paper** in **IEEE Xplore** on **Diagnosis of COVID-19 Radiological Images using Mask R-CNN**.
- Mentoring around **600 students** through sessions on **Web, Machine Learning, Java, AR/VR, and Android** at **KIIT E-Labs**