AKASH ROY

📍 48/5 Purna Das Road,2nd Floor, Kolkata, West Bengal - 700029

📞 8582960476, 7003926402

✉ meakashroy.ar@gmail.com

SKILLS

Programming Languages

C

C++

Java

Python

Javascript

Angular

Databases

Mysql

Tools

MS Word

MS Excel

Eclipse

TCAD Synopsys

TCAD Silvaco

Origin

Operating System

Windows

Linux

SOCIAL PROFILES

in https://www.linkedin.com/in/akash-roy-14b028133/

🔲 https://github.com/akashroy1807

ACHIEVEMENTS

- I was the departmental Topper in

OBJECTIVE

I am an EC Engineer from Heritage Institute of Technology Kolkata. I have worked on IoT and Robotics andh have spent hours on making projects on them. Teaching has also been my priority and I have been teaching professionally at 'Unacademy'. Currently serving as Front-End Developer at TCS, Kolkata.

I have led the IEEE Student Chapter of my college and have conducted various Technical activities under my leadership.

EDUCATION DETAILS

- **XII** | 87.00%

  South Point High School | 2015

- **X** | 88.00%

  South Point High School | 2013

- **B.Tech/B.E.** | 9.51/10.00

  Electronics and Communication Engineering

  Heritage Institute of Technology | 2019

EXPERIENCE DETAILS

- **IoT Advisor**

  18 Jul'19 till date

  MinDWebs

  Have been advising young students and interns about the basics of Internet of Things and have developed several projects on the same.

- **Data Scientist - Python**

  1 Jun'18 - 15 Jul'18

  Tata Consultancy Services

  I worked on Python and used NLP to complete the project 'Contextual Chatbot'.

- **Teacher**

  1 Apr'18 - 31 Aug'18

Electronics for Heritage Institute of Technology batch 2019.

- Was selected as the IEEE HITK Chapter Chairman
- My brainchild 'SunChargers' got selected among the top 3000 startups by IIM Calcutta in 2018.
- 'SunChargers' won the Judges' Favourite award at Capgemini International AI Insurance Hackathon.

Unacademy

I was an Electronics Online Educator for Unacademy and have made over 100+ course videos with more than 1300 minutes of course content.

Front End Developer

1 Jan'19 - 29 Mar'19

Tata Consultancy Services

I was appointed an as Intern in a Development Project where I learnt about the basics of Web Development.
- Worked on **API Gateway Generator using Angular and Flask**

Front End Developer

10 Jun'19 till date

Tata Consultancy Services

I am working as a DevOps Engineer focussing on mainly the Front End Development. Angular is the main software used for the project frontend.
- Developed fully functional responsive prototypes based on Business Requirements using HTML/HTML5, CSS3, JavaScript and JQuery
- Performed key role in the development process of the UI part of web application
- Gained exposure in full life-cycle implementation with skills in executing Sofware Development Life Cycle (SDLC) in compliance to quality control
- Gained exposure in full life-cycle implementation with skills in executing Sofware Development Life Cycle (SDLC) in compliance to quality control
- Gained exposure in end-to-end development of software products, from requirement analysis to designing, coding and testing
- Integrated software components into a fully functional software system
- Modified existing software to correct errors, upgrade interfaces and improve performance
- Modified existing software to correct errors, upgrade interfaces and improve performance

PROJECTS

- **Influence of Doping on Performance of MOS-HEMT Device**

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- **Study of variations of Device parameters of HEMT Device**

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- **Analysis of Structural variations of DG-MOS Device**

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- Home Security Automation

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- Influence of Gate Stack on Analog/RF and Power Performance of MOS-HEMT Device

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- Influence of Gate Length on Analog/RF and Power Performance of MOS-HEMT Device

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- SunChargers

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- RC Bot with Robotic Arm and CCTV Camera

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PAPERS

- Influence of Channel Thickness on Analog and RF Performance Enhancement of an Underlap DG AlGaN/GaN based MOS-HEMT Device

  23 Mar'19 | Akash Roy, Rajrup Mitra, Atanu Kundu

  https://ieeexplore.ieee.org/abstract/document/8783865

CERTIFICATES

- Complete Python Bootcamp: Go from zero to hero in Python 3

  https://www.udemy.com/certificate/UC-PA3MD0LC/