



Devaishi Tiwari

Roll No.:170101021

B.Tech - Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Guwahati	7.91 (Current)	2017-Present
Senior Secondary	CBSE Board	89.8%	2017
Secondary	CBSE Board	10.0	2015

EXPERIENCE

- Microsoft IDC** May 2020 - July 2020
Software Development Intern Hyderabad
 - Worked as a part of Azure Region Move Team to optimize dependency traversals by modelling resources as graph database and analyse the performance difference, for the same, in scale usage.
 - Used **C#**, **Gremlin API** and **Cosmos Database** to implement the graph model in Region Move Service, and **Kusto Queries**, **Jarvis Dashboard** and **Application Insights** for comparative performance analysis.
- Microsoft IDC** June 2019 - July 2019
Software Development Intern Hyderabad
 - Worked as a part of Azure Migrate Team on integrating **Power BI** with Azure Portal to facilitate better cost analysis and visualization.
 - Wrote queries using **Power Query** and **SQL** to fetch the data via API calls, create a suitable data model, and design an editable template report.

PROJECTS

- Procurement System for GAIL** August 2020
GAIL India Limited, Smart India Hackathon Github
 - Implemented a multi-user web application to automate GAIL's public procurement process, including shipment, evaluation and payment, and used **Smart Contracts** and **Blockchain Technology** in the same to ensure reliability.
 - Used **Hyperledger Fabric** for the blockchain network, **NodeJS** for server-side and **HTML, CSS** for client-side website.
- Waste Disposal Bot** November 2019
Dr S. B. Nair, Professor, Dept. of CSE, IIT Guwahati Github
 - Created a Line Following robot, with a dustbin and a robotic arm, that cleans tables on a request basis.
 - Used **Mosquitto MQTT** for communication and **Raspberry Pi**, **IR sensors** and **Ultrasonic sensors** for movement of the bot.
- Faculty-Student Interaction App** April 2019
Dr P. K. Das, Professor, Dept. of CSE, IIT Guwahati Github
 - Developed an **Android** application for students to give course feedback, register for courses and apply for internship.
 - Built the application in **Android Studio** and used **Google Firebase** as the database management system.
- Research Conclave Submission Portal** April 2019 - May 2019
Dr Samit Bhattacharya, Associate Professor, Dept. of CSE, IIT Guwahati Github
 - Developed a web application for poster and oral abstract submission in Research Conclave.
 - Created the website using **PHP**, **MySQL** for the back-end and **HTML, CSS**, and **Bootstrap** for the front-end development.

TECHNICAL SKILLS

- Programming:** C, C++, C#, R, Python*
- Web technologies:** HTML, CSS, Javascript, Django, PHP*
- Database management:** MySQL, Firebase, MS-Access
- Miscellaneous:** SQL Server, Power BI, Git, Visual Studio, LaTeX, Android Studio*
- Operating Systems:** Windows, Linux

* Elementary proficiency

KEY COURSES TAKEN

- | | | |
|------------------------------|---|------------------------|
| • Algorithms | • Data structures (Theory and Lab) | • Operating Systems |
| • Databases (Theory and Lab) | • Computer Networks (Theory and Lab) | • Probability |
| • Theory of Computation | • Software Engineering (Theory and Lab) | • Discrete Mathematics |

ACHIEVEMENTS

- Finalist, Smart India Hackathon 2020:** Was among the top few teams selected for Smart India Hackathon finals.
- Co-dextrous, Fidelity Investments 2019:** Nationwide winners of two-round coding contest held across top-tier colleges of India.
- Microsoft Codess 2019:** Was among the 55 women who were invited to attend the Codess event in Hyderabad.
- MMVY 2017-Present:** Recipient of the prestigious MMVY scholarship, awarded by Dept of Technical Education, MP Government
- Joint Entrance Examination 2017:** Secured AIR-565 among 0.22 million candidates appearing for the test.
- Kishore Vaigyanik Protsahan Yojana 2016-17:** Recipient of the prestigious KVPY scholarship, awarded by Government of India.

POSITIONS OF RESPONSIBILITY

- Departmental Placement Representative,** Computer Science and Engg., IIT Guwahati Aug. 2020 - Present
- Core team member,** Tech-Olympics Module, Techniche(techno-management fest) Sep. 2018 - Sep. 2019
- Event Manager,** Computer Science and Engg. Association, IIT Guwahati Jan. 2018 - Jan. 2019

EXTRACURRICULARS

- Manthan 2019:** Took part in mimes, spoofs, and ad-mads in Manthan - the Inter-hostel Cultural Competition of IIT Guwahati.
- Anchoring:** Anchored in a variety of events including the Inter IIT Sports Meet, Gymkhana Orientations and College Fests.