Debojeet Das

CSE Research Scholar

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MY PROFILE

A CSE Ph.D. Scholar and B.Tech graduate offering a strong foundation in Computer Networks and keen interest in technology. I'm presently focusing on issues that arise when computer networking and actual computer systems interact.

Research Interests: Computer Networks, Computer Systems, Human-Computer Interaction

EDUCATION

Indian Institute of Technology, Bombay **2022 – Present**
Doctor of Philosophy (Ph.D.) in Computer Science and Engineering (CSE) *Mumbai, Maharashtra*
CPI: 8.67*/10

Central Institute of Technology, Kokrajhar **2018 – 2022**
Bachelor of Technology (B.Tech.) in Computer Science and Engineering (CSE) *Kokrajhar, Assam*
CGPA: 9.57/10

Cotton College, Guwahati **2015 – 2017**
Higher Secondary (H.S.) in Science *Guwahati, Assam*
Percentage: 75.20%

Arunodoi Academy, Tangla **2015**
High School Leaving Certification (H.S.L.C.) *Tangla, Assam*
Percentage: 87.83%

ACHIEVEMENTS

- Ranked first in Class of 2022, CIT Kokrajhar. (Out of 360 students) **2022**
- Anundoram Borooah Awardee, Award given to meritorious students by the state of Assam. **2015**

ACADEMIC SERVICE

Teaching Assistant:

- Operating Systems & Operating Systems Lab **Autumn 2022**
  taught by Prof. Umesh Bellur / Prof. Purushottam Kulkarni

RELEVANT COURSES

At IIT Bombay: Design and Engineering of Computing Systems, Computer Architecture for Performance and Security, Algorithms and Complexity

At CIT Kokrajhar (selected courses): Computer Networks, TCP/IP – Design and Implementation, Mobile Computing, Operating Systems, Computer Organisation and Architecture, Digital Electronics, Microprocessor and Interfacing, System Programming, Cryptography

*ongoing course

SELECTED PROJECTS

Revisiting DDIO: Is DDIO still applicable for the latest server processors? **Aug 2022 – Nov 2022**
Guided by Prof. Biswabandan Panda for CS773 (Course project)

- Comparision of DDIO with traditional I/O for TCP/IP network packets.
- Explored various techniques to optimise performance of DDIO.

The Augmented Reality Teaching Platform: TeachAR **Aug 2021 – Jul 2022**
Guided by Prof. Ranjan Maity for CS791/CS891 (Major Project)

- Implemented AR technology for more interactive and effective learning, thus making learning a more exciting activity.
- Provided a learning environment where teachers can use 3D objects to explain difficult concepts and the students can also interact with them in real-time.

Bodo AR: The Bodo Language Learning Mobile Application   **Dec 2020 – Apr 2021**
Guided by Prof. Ranjan Maity for CS591 (Mini Poject)

- Provided an easy way to learn the Bodo language, one of the official languages of India.
- An application was created which teaches Bodo Vowels and Numbers from scratch.

TECHNICAL SKILLS

Languages: C, C++, C#, Python, Javascript, HTML/CSS

Tools: Git, Markdown, jekyll, LaTeX

Framework/Platform: Github, Unity, Bootstrap, Bulma, Cisco Packet Tracer, Figma, Champsim

REFERENCES

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Director & Professor
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