Neha **Upadhyay**

B.Tech in Computer Science and Engg.

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Work Experience

Envestnet | Yodlee   *Bengaluru, India*
Software Engineer   *July 2019 - Present*
- Envestnet | Yodlee is the leading data aggregation and analytics platform powering dynamic, cloud-based innovation for digital financial services. Their Platform API, FinApps and other tools pull data from 20K+ sources to increase insight, extend digital capabilities and engage users.

MAQ Software   *Hyderabad, India*
Software Development Intern   *May 2018 - July 2018*
- Formulated compact code to integrate two intermediate databases into one to improve the efficiency of dependent analytical processing cubes.
- Worked with technologies like SQL Server Management Studio, Integration Services, Microsoft Power BI, Visual Studio among other tools.

Indian Institute of Technology Delhi   *Delhi, India*
Research Intern   *May 2017 - July 2017*
- Worked on a research project to design a tracking engine for an Android Emulator.
- Built a tracking engine for the existing architectural simulator, TEJAS with the aim of extending it to simulate Android architecture.

Projects

A Fractal U-Net Based Hybrid Training Scheme for Automatic Ischemic Stroke Lesion Segmentation   *Durgapur, India*
Researcher   *Jan. 2019 - Ongoing*
- Built a composite deep neural network involving fractal networks and the U-Net model for state-of-the-art segmentation results.

Energy-Based Generative Adversarial Network (EBGAN) for Effective Semantic Segmentation of Brain Gliomas   *Durgapur, India*
Researcher   *Oct. 2018 - Ongoing*
- Designed an EBGAN model exhibiting higher stability than regular GANs during training and demonstrating better performance.

Skills and Honors

SKILLS: **Java, C, C++, HTML, CSS, Bootstrap, SQL, PHP, Python, Keras, TensorFlow,**
Data Structures, OOPs, DBMS, Algorithm Design, Digital Image Processing, Big Data, Machine Learning,
Deep Learning, Artificial Intelligence, Stock Market and Investment Management

HONORS: **Winner of Inter-College debate "War Of Words", 2016, Black Belt in GOJU-KAI Karate, 2012,**
Certificate of Excellence for exemplary performance in National Creativity Olympiad, 2011

Position of Responsibility

2018-19   **Head**, Entrepreneurship Cell, Centre for Cognitive Activities, NIT Durgapur   *Durgapur, India*
2018-19   **Captain**, NIT Durgapur Volleyball Team   *Durgapur, India*
2018-19   **Executive Fest Coordinator**, AAROHAN, the annual Techno-Management fest of NIT Durgapur   *Durgapur, India*

Education

National Institute of Technology Durgapur   *Durgapur, India*
B.Tech. in Computer Science and Engineering   *July 2015 - June 2019*
- CGPA: 9.35

Lakshmipat Singhania Academy   *Kolkata, India*
12th Standard - CBSE Board   *June 2015*
- Percentage: 95

Lakshmipat Singhania Academy   *Kolkata, India*
10th Standard - CBSE Board   *June 2013*
- CGPA: 10