Madhav Sankar K

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EDUCATION

NIT TRICHY
B.Tech in Computer Science and Engineering
(Minor in Economics)
Grad. May 2019 | Trichy, India
Cum. GPA: 9.69/10.00
Honors CGPA: 10.00/10.00

DAV SENIOR SEC. SCHOOL
Grad. May 2015 | Chennai, India
AISSCE: 492 / 500
AISSE: 10.00 / 10.00

COURSEWORK

UNDERGRADUATE
Pattern Recognition
Cloud Computing
Operating Systems
Advanced DBMS
Data Communication and Networks

COURSERA
Deep Learning Specialization
Game Theory

SKILLS

PROGRAMMING
Over 10000 lines:
C++ • C#
Familiar:
C • Python • MySQL • Java • Assembly
JavaScript

EXTRA CURRICULARS

POSITIONS
• Department Representative for Fall'18, CSE Department.
• Manager, Public Relations and Hospitality Team of Pragyan'17, Techno-Management festival of NITT.
• Manager, Workshops Team of Vortex'17, technical symposium of CSE,NITT.
• Representative of Sparsh, Social Responsibility wing of Vortex.

OTHERS
• National 2nd place in the 3rd National Abacus and Mental Arithmetic Competition.
• Volunteer for Mathematics,Illuminate,NGO.

EXPERIENCE/PROJECT WORK

SOFTWARE ENGINEER | MICROSOFT
July 2019 – Present | Hyderabad, India
- Working in the Compliance Core team of M365 Security and Compliance.
- Took the product to Go-Live in 6 months despite being the only person working on it from the team.
- Participated in Microsoft Hackathon - Project got selected with funding.

INFORMATION EXTRACTION FROM FINANCIAL DOCUMENTS | NIT Trichy
Jan 2019 – Jun 2019 | Trichy, India

- Worked under Dr. Rajeswari Sridhar to develop a QA system for financial documents using two modules - Question Generation and Answer Extraction.
- Introduces novel methods of generalized question generation and domain-specific financial Named Entity Recognition.

SOFTWARE ENGINEERING INTERN | MICROSOFT
May 2018 – July 2018 | Hyderabad, India
- Provided an enhanced experience to the users by reducing End User-Perceived Latency(EUPL) on the SharePoint Desktop App using PWA(Progressive Web Applications) concepts.
- Implemented Web Parity changes to separate the Desktop App from Web View Hosted App, System Tray and background task features.

RESEARCH INTERN | IIT Hyderabad
Dec 2017 | Hyderabad, India

- Worked on Image Processing and Deep Learning concepts under the supervision of Dr. Sparsh Mittal.
- Worked on the various Convolutional Neural Network models and compression techniques to reduce the memory and time overhead in the processing of the image.
- Implemented Image Captioning Project based on CNN and RNN following the intern.

RESEARCH INTERN | IIT Madras
May 2017 - Jun 2017 | Chennai, India

- Worked on a research paper on the Deterministic Dispersion of Mobile Robots in Dynamic Rings under the supervision of Dr. John Augustine.
- Proposed algorithms for the dispersion of mobile robots in a dynamic ring and for the case without chirality for an odd node ring.
- Published the paper at ICDCN '18

AWARDS

2017	1st/212	Reverse Coding, Shaastra, Technical festival of IIT-Madras
2016	Special Guest	The Prime Minister's Box for the Republic Day Parade
2015	All India Rank 15	AISSCE
2015	AISSCE	Centum in Mathematics and Physics
2015	All India Rank 35	KVPY SX
2014	School	General Proficiency Award, Science Stream
2013	School	Dr. Ambica Devi Memorial Award for Consistent Performance