
DURGESH AMETA

d22117@students.iitmandi.ac.in

Contact

A18, IKSMHA Lab, North
Campus, IIT Mandi, 175005,
HP

Phone: +91-8226948584

Education

Ph.D.

Aug 2022 – Present

IIT Mandi

GPA - 9.08/10

Areas of research - Cognitive Science, Cheminformatics, Indian Knowledge
System, Computational Psychology

Bachelor of Technology(Honours), Computer Science and Engg.

JULY 2014 – JULY 2018

IIT(ISM) Dhanbad

Grade: 8.44 OGPA.

Higher Secondary School Certificate

JUNE 2011 – MAY 2013

ST. Pauls's Sr. Sec. School, Chittorgarh, Raj

Marks: Overall 92.4 %

Work experience

IIT Mandi

Sep 2022 – Present

Teaching Assistant

BRC, Kolkata and ISS, Delhi

Sep 2020 – Aug 2022

Research Assistance

1. Co-authoring a book "Introduction to IKS through Bhagavad Gita".
2. Actively involved in developing concept maps for chapters of Bhagavad Gita can be accessed at <https://www.gitasupersite.iitk.ac.in/conceptmaps>.
3. Contributed to the Granth Mahima project, an exhaustive catalog of all Gaudiya Vaisnava books written after 1965 by followers of Swami Prabhupada (Founder Acarya ISKCON)
4. Contributed to the proofreading and design of Vaisnava Samvad Vol. 1, a Vaisnava

Abzooba India Infotech Pvt. Ltd.

June 2019 – Sep 2020

Backend Developer

1. Contributed to News recommendation system Used SQS, Neo4j, Docker, Flask, Kubernetes
2. Designed a chatbot using Dialogflow and Firebase database.
3. Designed load testing app using Locust.

Delhivery

November 2018 – June 2019

Software Engineer

Software Engineer

1. Worked on backend of Ware House Management Service. Used PostgreSQL as the primary database, Django, Python, PostgreSQL

Zemoso Labs

August 2018 – November 2018

Software Developer

Django, Python, Docker, Elasticsearch

Technical Skills

1. Languages: C, C++, Python
2. Web Design: Django, Flask,
3. Database: MySQL, Firebase database, SQLITE, PostgreSQL, Neo4j, Elasticsearch
4. Scripting Language: Python, BASH-Shell
5. Hosting and Packaging: Docker, Kubernetes
6. Cloud Services: AWS SQS, Google Dialogflow
7. Data Science: Scikit-Learn (Python), TensorFlow, PyTorch

ACHIEVEMENTS

1. Best paper award for "Statistical and Deep Convolutional Feature Fusion for Emotion Detection from Audio Signal". IEEE-ICBSII23
2. Scored 99.5 percentile in JEE (Joint Entrance Examination) 2014 among more than 1.5 million candidates. (AIR 3366)

Grants and Scholarships

1. AICTE IKS Grant (Bhāratīya-jñāna-sampoṣaṇa-gaveṣaṇa-kendram IKS Research Centers), INR 40 lakhs, Nov 2022 – Nov 2024 (Co-PI)
2. AICTE IKS Grant (BGSamvahan Karyakram -3), 100 Person Month (~17Lac), Sep 2023 – Feb 2024 (Mentor)
3. TCS Research Scholarship (Prestigious scholarship awarded to only 35-40 researchers annually all over India).

Publications

1. Evaluating the Effectiveness of Mantra Meditation in a 360 Virtual Reality Environment, ACM Perta 2023
2. Statistical and Deep Convolutional Feature Fusion for Emotion Detection

from Audio Signal, ICBSII 2023 (IEEE)

3. Active Feedback using Riemannian Features for Motor Imagery Classification, ICBSII 2023 (IEEE)