Eklavya Sharma

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Education

BITS Pilani
BE in Computer Science
August 2014 - June 2018
Pilani, Rajasthan, India
GPA: 9.14 / 10

Amity Saket
CBSE Science
April 2011 - May 2013
New Delhi, India
Score: 91.6 %

Links

Github:// **sharmaeklavya2**
LinkedIn:// **sharmaeklavya2**
Codeforces:// **eku**
ICPCID:// **5CN1FMJ0JIDP**

Coursework

Undergraduate
Advanced Algorithms and Complexity
Machine Learning
Cryptography
Design and Analysis of Algorithms
Graphs and Networks
Theory of Computation
Computer Networks
Operating Systems
Compiler Construction
Data Structures and Algorithms
Discrete Structures in Computer Science
Database systems
Probability and Statistics
Linear Algebra
and many more (see transcript)

Skills

Programming Languages
C/C++, Python, Java, Bash, JavaScript,
Haskell, Prolog
Software Libraries
NumPy, Pandas, Scikit-Learn,
TensorFlow, Django
Other Languages
SQL, LaTeX, HTML, CSS

Experience

media.net | Platform Engineer
August 2018 - Current | Gurgaon, India
- media.net participates in bids to purchase ad-spots. I'm doing research on estimating valuation and choosing the optimal bid amount.

American Express | Intern
Jan 2018 - June 2018 | Gurgaon, India
- Trained a neural network to estimate the probability of a credit-card applicant defaulting. A custom architecture was used because data was semi-structured.

Directi | Intern
May 2017 - July 2017 | Mumbai, India
- Made Directi's news article classification algorithm recognize more categories.

Zulip | Google Summer of Code student
May 2016 - Aug 2016
- Added type annotations to Zulip's Python code (50K lines).
- Made Zulip's code Python 3 compatible.

Projects

Analysis of Primality-testing Algorithms Oct 2017 – Nov 2017
'Advanced Algorithms and Complexity' course project
- Studied the AKS primality-test and attempted to improve it.
- Compared compositeness-proving algorithms.

Mitigating DNS-related DoS attacks using SDN Sept 2017 – Dec 2017
- Study DNS-related DoS attacks and analyze mitigation strategies in literature.
- Devise a new mitigation mechanism using Software-Defined Networking.

Achievements

ACM-ICPC on-site regionals
Around 3000 teams from all over India participate in the ACM-ICPC India online qualifying round every year. Top few teams qualify for on-site regional contests.
- Rank 48/250 in Amritapuri 2017 regional contest.
- Rank 66/450 in Amritapuri 2016 regional contest.
- Rank 30/70 in Kharagpur 2016 regional contest.
- Rank 88/250 in Amritapuri 2015 regional contest.

BITS-Pilani Merit Scholarship
- Received scholarship thrice for being in top 2% of my batch.

Graduate Aptitude Test in Engineering (GATE) March 2018
- All India rank 86 out of ~100k in 'Computer Science and IT'.

Societies

BITS-ACM BITS-Pilani ACM student chapter
- Problem setter for 3 programming contests organized by BITS-ACM.
- Created backends for web applications used in online quizzing events.
- Conducted intra-BITS-ACM workshops on Linux and CLI.