

# PRASANTH KARUMANCHI

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## EDUCATION

### Master of Science in Statistics

May 2004

Purdue University, West Lafayette, IN

- Specialization in Computational Finance.
- Credited all courses in the Investment Track, MBA program, Krannert School of Management.
- Designed a graduate level course on financial algorithms offered in Spring 2004.
- Courses include Financial Mathematics, Fixed Income Securities, Financial Engineering, Financial Algorithms, Risk Management, Investments and Mathematical Statistics.

### Integrated Master of Science in Mathematics and Computing

May 2002

Indian Institute of Technology (IIT), Kharagpur, West Bengal 721302 India

- Master's thesis on "Analysis of Omega loops of Proteins"
- Courses include Linear Programming, Operations Research, Compiler Design, Operating Systems, Distributed Systems, Algorithms, Graph Theory and Database Design.

## EXPERIENCE

Research Assistant (Under Prof. Nicole Boyson)

December 2003 - date

Purdue University, IN

Assisted in the research on hedge funds.

Research Assistant (Under Prof. Sugato Chakravarty)

Aug. 2003 - date

Purdue University, IN

- Assisted in the research on the bid-ask spread and stealth trading.
- Designed and implemented algorithms in C and SAS.

Summer Intern

Summer 2001

Hughes Software Systems, India

Member of the team that analyzed the utility of the DIAMETER base protocol (for mobile computing).

Summer Intern

Summer 2000

GraphoNET, Hyderabad, India

Programmed for a Java based desktop auction ticker to track items being auctioned.

## CONSULTING EXPERIENCE

Career Consultant, Vignan Institute of Technology and Sciences, Hyderabad, India.

2003-04

- Advised students on the career opportunities and direction after graduation.

Campus Coordinator, IMS Learning Resources, Kolkata, India.

2001-02

- Assisted in the identification of the target audience and marketing of the firm.
- Helped in logistics, financial planning and cost analysis of setting up a test centre.

## HONORS

- One of the twenty five recipients of Andrews Fellowship, Purdue University. 2002
- Membership in Omicron Delta Kappa, National Leadership Honor Society. 2002
- Invited to present a talk at Madrid (International) Conference of Queueing Theory. 2002
- One of the seven interns chosen all over India by Hughes Software Systems. 2001
- Placed among the top 2% of the students appearing for IIT entrance examination. 1997

## COMPUTER SKILLS

- Programming Languages : C and Data Structures, C++, Java 1.2, Basic, SQL, VBA.
- Statistical Software : SAS, R, SPLUS
- Financial Software :WRDS, Ox Professional
- Other Software :MATLAB, MS Excel, MS Office, MS FrontPage,
- Operating Systems :UNIX, Linux, Windows NT, Windows XP
- Browsers :Internet Explorer, Netscape Navigator, Opera, Firebird, Lynx
- Related Skills :Monte Carlo Simulations, , LaTeX

## COMMUNICATION AND LEADERSHIP SKILLS

- Represented 6000 graduate students in University Student Affairs Committee. 2003-04
- Organizational Head, Ideon - the annual technological festival, IIT Kharagpur. 2001-02
- President, Patel Hall of Residence (student dorm), IIT Kharagpur 2001-02
- Student Representative, Alumni Liaison Committee, IIT Kharagpur 2001-02
- Editor, Wallpaper journal, Indian Institute of Technology, Kharagpur, India. 2001-02
- Sponsorship Team, Spring Fest, Annual Cultural Festival, IIT Kharagpur, India. 1998-99

## EXTRA CURRICULAR ACTIVITIES

- Member, University Cricket Team, Purdue University. 2002-04
- Member, Institute Basketball Team, IIT, Kharagpur, India. 2001-02
- Member, Institute Badminton Team, IIT, Kharagpur, India. 1997-02
- Member, Kendriya Vidyalaya State Badminton Team, All India School Games, India. 1993-96